



September 05, 2012

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011
TEL: (575) 993-6824
FAX (575) 532-1587
RE: Rhodes Canyon

Order No.: 1208219

Dear Brad Davis:

DHL Analytical received 3 sample(s) on 8/23/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.2 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in black ink that reads "John DuPont".

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory
Certification Number: T104704211-12-8 & DoD ELAP #ADE-1416 v2



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#1208219

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.		PROJECT NAME			NO. OF CONTAINERS	ANALYSIS REQUESTED							REMARKS
		Rhodes Canyon				Total Pb	GRO	VOCs	SVOCs	Alkalinity	pH	TDS	
01	8-22-12	1220	RERC-0114-RMW-005-0812	Water	10	X X X X X X X X X X							
02	8-22-12	1220	RERC-0114-RMW-105-0812	Water	10	X X X X X X X X X X							
03	8-22-12	1220	RERC-0114-RMW-005-TB	Water	2	X							
PROJECT INFORMATION		SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)								
PROJECT MANAGER		TOTAL NO. OF CONTAINERS	PRINTED NAME <i>Bradley T. Davis</i>	PRINTED NAME <i>Bradley T. Davis</i>	PRINTED NAME								
<i>Bradley Davis</i>		CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE) <i>Debra</i>	RECEIVED BY: (SIGNATURE) <i>Debra</i>	RECEIVED BY: (SIGNATURE) <i>Debra</i>	(COMPANY)							
SHIPPING ID NO.		GOOD CONDITION CHECKED	TIME / DATE <i>8/22/12</i>	TIME / DATE <i>8/22/12</i>	TIME / DATE <i>8/23/12 845</i>	(TIME / DATE)							
<i>Fed EX</i>		CONFORMS TO RECORD	SPECIAL INSTRUCTIONS / COMMENTS:										

From: (505) 532-1528
Zia Engineering

755 S. Telshor Blvd.
Suite Q-201
Las Cruces NM 88011

Origin ID: LRUA



Ship Date: 22AUG12
ActWgt: 65.0 LB
CAD: 102287640/NET3300

SHIP TO: (512) 388-8222
John Dupont
DHL Analytical
2300 DOUBLE CREEK DR

BILL SENDER

ROUND ROCK, TX 78664

Delivery Address Bar Code



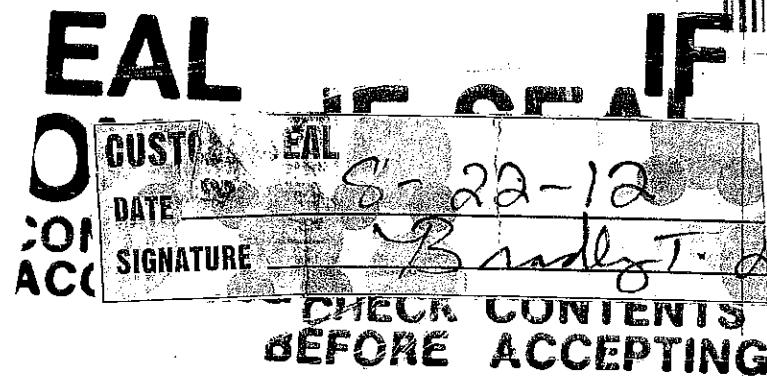
Ref #: FWSE-09-015 Task 035
Invoice #
PO #: Brad Davis
Dept #

THU - 23 AUG A1
PRIORITY OVERNIGHT

TRK# 7988 0435 6496
0201

78664
TX-US
AUS

XH BSMA



DHL Analytical

Sample Receipt Checklist

Client Name Zia Engineering & Environmental

Date Received: 8/23/2012

Work Order Number 1208219

Received by JB

Checklist completed by:

8/23/2012

Date

Reviewed by

8/23/2012

Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No 0.3 °C

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? no Checked by

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Rhodes Canyon		Date: 9/5/12					
Reviewer Name: Carlos Castro		Laboratory Work Order: 1208219					
Prep Batch Number(s): See Prep Dates Report		Run Batch: See Analytical Dates Report					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-Custody (C-O-C) 1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? 2) Were all departures from standard conditions described in an exception report?	X				R1-01
R2	OI	Sample and Quality Control (QC) Identification 1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers? 2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test Reports 1) Were all samples prepared and analyzed within holding times? 2) Other than those results < MQL, were all other raw values bracketed by calibration standards? 3) Were calculations checked by a peer or supervisor? 4) Were all analyte identifications checked by a peer or supervisor? 5) Were sample quantitation limits reported for all analytes not detected? 6) Were all results for soil and sediment samples reported on a dry weight basis? 7) Were % moisture (or solids) reported for all soil and sediment samples? 8) If required for the project, TICs reported?	X				
R4	O	Surrogate Recovery Data 1) Were surrogates added prior to extraction? 2) Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test Reports/Summary Forms for Blank Samples 1) Were appropriate type(s) of blanks analyzed? 2) Were blanks analyzed at the appropriate frequency? 3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures? 4) Were blank concentrations < MQL?	X				
R6	OI	Laboratory Control Samples (LCS): 1) Were all COCs included in the LCS? 2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps? 3) Were LCSs analyzed at the required frequency? 4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits? 5) Does the detectability data document the laboratory's capability to detect the COCs at te MDL used to calculate the SQLs? 6) Was the LCSD RPD within QC limits (if applicable)?	X				R6-04
R7	OI	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data 1) Were the project/method specified analytes included in the MS and MSD? 2) Were MS/MSD analyzed at the appropriate frequency? 3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits? 4) Were MS/MSD RPDs within laboratory QC limits?	X				R7-03
R8	OI	Analytical Duplicate Data 1) Were appropriate analytical duplicates analyzed for each matrix? 2) Were analytical duplicates analyzed at the appropriate frequency? 3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				R7-04
R9	OI	Method Quantitation Limits (MQLs): 1) Are the MQLs for each method analyte included in the laboratory data package? 2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard? 3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	Other Problems/Anomalies 1) Are all known problems/anomalies/special conditions noted in this LRC and ER? 2) Were all necessary corrective actions performed for the reported data? 3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical, Inc.
Laboratory Review Checklist (continued): Supporting Data

Project Name: Rhodes Canyon		Date: 9/5/12				
Reviewer Name: Carlos Castro		Laboratory Work Order: 1208219				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴
S1	OI	Initial Calibration (ICAL)				
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X			
		2) Were percent RSDs or correlation coefficient criteria met?	X			
		3) Was the number of standards recommended in the method used for all analytes?	X			
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X			
		5) Are ICAL data available for all instruments used?	X			
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X			
S2	OI	Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB)				
		1) Was the CCV analyzed at the method-required frequency?	X			
		2) Were percent differences for each analyte within the method-required QC limits?		X		S2-02
		3) Was the ICAL curve verified for each analyte?	X			
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X			
S3	O	Mass Spectral Tuning				
		1) Was the appropriate compound for the method used for tuning?	X			
		2) Were ion abundance data within the method-required QC limits?	X			
S4	O	Internal Standards (IS)				
		1) Were IS area counts and retention times within the method-required QC limits?	X			
S5	OI	Raw Data (NELAC section 1 appendix A glossary, and section 5.12)				
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X			
		2) Were data associated with manual integrations flagged on the raw data?	X			S5-02
S6	O	Dual Column Confirmation				
		1) Did dual column confirmation results meet the method-required QC?			X	
S7	O	Tentatively Identified Compounds (TICs)				
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X	
S8	I	Interference Check Sample (ICS) Results				
		1) Were percent recoveries within method QC limits?	X			
S9	I	Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions				
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X			
S10	OI	Method Detection Limit (MDL) Studies				
		1) Was a MDL study performed for each reported analyte?	X			
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X			
S11	OI	Proficiency Test Reports				
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X			
S12	OI	Standards Documentation				
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X			
S13	OI	Compound/Analyte Identification Procedures				
		1) Are the procedures for compound/analyte identification documented?	X			
S14	OI	Demonstration of Analyst Competency (DOC)				
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X			
		2) Is documentation of the analyst's competency up-to-date and on file?	X			
S15	OI	Verification/Validation Documentation for Methods (NELAC Chap 5)				
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X			
S16	OI	Laboratory Standard Operating Procedures (SOPs)				
		1) Are laboratory SOPs current and on file for each method performed?	X			

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC 5.13
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

John DuPont – General Manager

Scott Schroeder – Technical Director



Signature

09/05/12

Date

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Lab Order: 1208219

CASE NARRATIVE

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.2 and NELAC.

Method SW6020 - Metals Analysis

Method M8015V - GRO Analysis

Method SW8260C - Volatile Organics

Method SW8270C - Semivolatile Organics (some compounds are not NELAC certified)

Method E300 - Anions Analysis

Method M4500-H+ B - pH of a Water

Method M2320 B - Alkalinity Analysis

Method M2540C - TDS Analysis

Exception Report R1-01

The samples were received and log-in performed on 8/23/12. A total of 3 samples were received and all were analyzed. The samples arrived in good condition and were properly packaged.

Exception Report R6-04

For Semivolatiles analysis performed on 8/28/12 the LCS was slightly above control limits for 2-Chloronaphthalene and Bis(2-chloroethyl)ether. These are flagged accordingly in the QC summary report. All samples were below detection limits for these compounds. No further corrective actions were taken.

Exception Report R7-03 & R7-04

For Volatiles analysis performed on 8/27/12 the matrix spike and matrix spike duplicate recoveries were below control limits for 2-Chloroethylvinylether. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits for this compound. No further corrective action was taken.

For Semivolatiles analysis performed on 8/28/12 the matrix spike and matrix spike duplicate recoveries were below control limits for a few compounds. In addition, the matrix spike and matrix spike duplicate had the RPD above control limits for Benzidine and Dimethylphenethylamine. These are flagged accordingly. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. The LCS was within control limits for these compounds. No further corrective action was taken.

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Lab Order: 1208219

CASE NARRATIVE

Exception Report S2-02

For Volatiles analysis, the recovery of one compound for the Initial Calibration Verification (ICV-120827) was slightly below the method control limits specified in SW8260C (80-120% recovery). This is flagged accordingly in the QC summary report. This compound was within the method control limits in the associated LCS. No further corrective actions were taken.

For Semivolatiles analysis, the recoveries of three compounds for the Initial Calibration Verification (ICV-120828) were outside of the method control limits specified in SW8270C (80-120% recovery). These are flagged accordingly. These compounds were within the method control limits in the associated LCS or below detection limits for all samples. No further corrective actions were taken.

Exception Report S5-02

For Semivolatile and Anions analyses, some samples and/or standards were manually integrated. Please refer to the manual integration table on the last page of this report for the full list of samples, standards, and the compounds that were manually integrated.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.

Brad Davis of Zia requested a bottle kit via email from Jennifer Barker of DHL on 7/27/12.

DHL BottleKit #3499 ws sent on 8/13/12 via Lonestar Overnight, to arrive by 8/15/12.

This sample delivery group arrived at DHL Analytical 8/23/12. Sample summary sent via email from Log-in to client on 8/23/12.

All hardcopies for the sample kit request, bill of lading for sample kit sent and login summary are kept in project folder.

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Lab Order: 1208219

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1208219-01	RCRC-0114-RMW-005-0812		08/22/12 12:20 PM	8/23/2012
1208219-02	RCRC-0114-RMW-105-0812		08/22/12 12:20 PM	8/23/2012
1208219-03	RCRC-0114-RMW-005-TB		08/22/12 12:20 PM	8/23/2012

Lab Order: 1208219
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1208219-01A	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	08/27/12 09:50 AM	53517
1208219-01B	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	SW5030C	Purge and Trap Water GC-Gas	08/23/12 11:24 AM	53499
1208219-01C	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	08/27/12 08:55 AM	53525
1208219-01D	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	M2320 B	Alkalinity Preparation	08/23/12 11:30 AM	53504
	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	E300	Anion Preparation	08/23/12 09:22 AM	53486
	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	M4500-H+ B	pH Preparation	08/23/12 10:00 AM	53498
	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	M2540C	TDS Preparation	08/24/12 05:40 PM	53521
1208219-01E	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	08/28/12 06:54 AM	53545
	RCRC-0114-RMW-005-0812	08/22/12 12:20 PM	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	08/28/12 06:54 AM	53545
1208219-02A	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	08/27/12 09:50 AM	53517
1208219-02B	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	SW5030C	Purge and Trap Water GC-Gas	08/23/12 11:24 AM	53499
1208219-02C	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	08/27/12 08:55 AM	53525
1208219-02D	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	M2320 B	Alkalinity Preparation	08/23/12 11:30 AM	53504
	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	E300	Anion Preparation	08/23/12 09:22 AM	53486
	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	M4500-H+ B	pH Preparation	08/23/12 10:00 AM	53498
	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	M2540C	TDS Preparation	08/24/12 05:40 PM	53521
1208219-02E	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	08/28/12 06:54 AM	53545
	RCRC-0114-RMW-105-0812	08/22/12 12:20 PM	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	08/28/12 06:54 AM	53545
1208219-03A	RCRC-0114-RMW-005-TB	08/22/12 12:20 PM	Trip Blank	SW5030C	Purge and Trap Water GC/MS	08/27/12 09:50 AM	53517

Lab Order: 1208219
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1208219-01A	RCRC-0114-RMW-005-0812	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	53517	1	08/27/12 02:05 PM	GCMS7_120827A
1208219-01B	RCRC-0114-RMW-005-0812	Aqueous	M8015V	TPH Purgeable by GC - Water	53499	1	08/23/12 02:41 PM	GC4_120823A
1208219-01C	RCRC-0114-RMW-005-0812	Aqueous	SW6020	Trace Metals: ICP-MS - Water	53525	1	08/27/12 07:03 PM	ICP-MS2_120827B
1208219-01D	RCRC-0114-RMW-005-0812	Aqueous	M2320 B	Alkalinity	53504	1	08/23/12 11:50 AM	TITRATOR_120823B
	RCRC-0114-RMW-005-0812	Aqueous	E300	Anions by IC method - Water	53486	100	08/23/12 12:54 PM	IC2_120823A
	RCRC-0114-RMW-005-0812	Aqueous	M4500-H+ B	pH	53498	1	08/23/12 10:22 AM	TITRATOR_120823A
	RCRC-0114-RMW-005-0812	Aqueous	M2540C	Total Dissolved Solids	53521	1	08/24/12 05:40 PM	WC_120824A
1208219-01E	RCRC-0114-RMW-005-0812	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	53545	1	08/29/12 12:33 AM	GCMS9_120828C
	RCRC-0114-RMW-005-0812	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	53545	1	08/29/12 02:26 AM	GCMS9_120828B
1208219-02A	RCRC-0114-RMW-105-0812	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	53517	1	08/27/12 02:29 PM	GCMS7_120827A
1208219-02B	RCRC-0114-RMW-105-0812	Aqueous	M8015V	TPH Purgeable by GC - Water	53499	1	08/23/12 03:06 PM	GC4_120823A
1208219-02C	RCRC-0114-RMW-105-0812	Aqueous	SW6020	Trace Metals: ICP-MS - Water	53525	1	08/27/12 07:09 PM	ICP-MS2_120827B
1208219-02D	RCRC-0114-RMW-105-0812	Aqueous	M2320 B	Alkalinity	53504	1	08/23/12 12:00 PM	TITRATOR_120823B
	RCRC-0114-RMW-105-0812	Aqueous	E300	Anions by IC method - Water	53486	100	08/23/12 01:08 PM	IC2_120823A
	RCRC-0114-RMW-105-0812	Aqueous	M4500-H+ B	pH	53498	1	08/23/12 10:25 AM	TITRATOR_120823A
	RCRC-0114-RMW-105-0812	Aqueous	M2540C	Total Dissolved Solids	53521	1	08/24/12 05:40 PM	WC_120824A
1208219-02E	RCRC-0114-RMW-105-0812	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	53545	1	08/29/12 02:50 AM	GCMS9_120828B
	RCRC-0114-RMW-105-0812	Aqueous	SW8270C	Semivolatiles by GC/MS - Water	53545	1	08/29/12 12:55 AM	GCMS9_120828C
1208219-03A	RCRC-0114-RMW-005-TB	Trip Blank	SW8260C	8260 Water Volatiles by GC/MS	53517	1	08/27/12 02:53 PM	GCMS7_120827A

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-005-0812
Lab ID: 1208219-01
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH PURGEABLE BY GC - WATER							
Gasoline Range Organics	<0.0600	0.0600	0.100		mg/L	1	08/23/12 02:41 PM
Surr: Tetrachlorethane	102	0	74-138		%REC	1	08/23/12 02:41 PM
TRACE METALS: ICP-MS - WATER							
Lead	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 07:03 PM
SEMIVOLATILES BY GC/MS - WATER							
1,2,4,5-Tetrachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
1,2-Diphenylhydrazine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
1-Chloronaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	08/29/12 12:33 AM
1-Methylnaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	08/29/12 02:26 AM
1-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
2,4,5-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2,4,6-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2,4-Dichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2,4-Dimethylphenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2,4-Dinitrophenol	<0.00100	0.00100	0.00400		mg/L	1	08/29/12 02:26 AM
2,4-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2,6-Dichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2,6-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2-Chloronaphthalene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2-Chlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2-Methylnaphthalene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
2-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2-Nitrophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
2-Picoline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
3,3'-Dichlorobenzidine	<0.00100	0.00100	0.00400		mg/L	1	08/29/12 02:26 AM
3-Methylcholanthrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
3-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
4,6-Dinitro-2-methylphenol	<0.000600	0.000600	0.00200		mg/L	1	08/29/12 02:26 AM
4-Aminobiphenyl	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
4-Bromophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
4-Chloro-3-methylphenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
4-Chloroaniline	<0.000600	0.000600	0.00200		mg/L	1	08/29/12 02:26 AM
4-Chlorophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
4-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
4-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-005-0812
Lab ID: 1208219-01
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
		SW8270C					Analyst: DO
4-Nitrophenol	<0.00100	0.00100	0.00400		mg/L	1	08/29/12 02:26 AM
7,12-Dimethylbenz(a)anthracene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
Acenaphthene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Acenaphthylene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Acetophenone	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Aniline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Anthracene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Benzidine	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:26 AM
Benzo[a]anthracene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Benzo[a]pyrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Benzo[b]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Benzo[g,h,i]perylene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Benzo[k]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Benzoic acid	0.00996	0.00200	0.00600		mg/L	1	08/29/12 02:26 AM
Benzyl alcohol	<0.000600	0.000600	0.00200		mg/L	1	08/29/12 02:26 AM
Biphenyl	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Bis(2-chloroethoxy)methane	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Bis(2-chloroethyl)ether	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Bis(2-chloroisopropyl)ether	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Bis(2-ethylhexyl)phthalate	<0.00100	0.00100	0.00300		mg/L	1	08/29/12 02:26 AM
Butyl benzyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:26 AM
Carbazole	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Chrysene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Di-n-butyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:26 AM
Di-n-octyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:26 AM
Dibenz(a,j)acridine	<0.00100	0.00100	0.00400	N	mg/L	1	08/29/12 12:33 AM
Dibenz[a,h]anthracene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Dibenzofuran	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Diethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:26 AM
Dimethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:26 AM
Dimethylphenethylamine	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 12:33 AM
Diphenylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
Ethyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
Fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Fluorene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Hexachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Hexachlorobutadiene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Hexachlorocyclopentadiene	<0.000600	0.000600	0.00200		mg/L	1	08/29/12 02:26 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-005-0812
Lab ID: 1208219-01
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
				SW8270C			Analyst: DO
Hexachloroethane	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Indeno[1,2,3-cd]pyrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Isophorone	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Methyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
N-Nitrosodi-n-propylamine	<0.000100	0.000100	0.000800		mg/L	1	08/29/12 02:26 AM
N-Nitrosodimethylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
N-Nitrosodiphenylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
N-Nitrosopiperidine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
Naphthalene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Nitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
p-Dimethylaminoazobenzene	<0.000200	0.000200	0.000800	N	mg/L	1	08/29/12 12:33 AM
Pentachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Pentachloronitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
Pentachlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Phenacetin	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
Phenanthrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Phenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Pronamide	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:33 AM
Pyrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:26 AM
Pyridine	<0.000800	0.000800	0.00200		mg/L	1	08/29/12 02:26 AM
Surr: 2,4,6-Tribromophenol	108	0	42-124	%REC	1	08/29/12 02:26 AM	
Surr: 2,4,6-Tribromophenol	95.8	0	42-124	%REC	1	08/29/12 12:33 AM	
Surr: 2-Fluorobiphenyl	92.0	0	50-110	%REC	1	08/29/12 12:33 AM	
Surr: 2-Fluorobiphenyl	87.2	0	50-110	%REC	1	08/29/12 02:26 AM	
Surr: 2-Fluorophenol	62.5	0	20-110	%REC	1	08/29/12 12:33 AM	
Surr: 2-Fluorophenol	56.8	0	20-110	%REC	1	08/29/12 02:26 AM	
Surr: 4-Terphenyl-d14	99.8	0	51-135	%REC	1	08/29/12 12:33 AM	
Surr: 4-Terphenyl-d14	98.0	0	51-135	%REC	1	08/29/12 02:26 AM	
Surr: Nitrobenzene-d5	89.0	0	41-110	%REC	1	08/29/12 02:26 AM	
Surr: Nitrobenzene-d5	95.8	0	41-110	%REC	1	08/29/12 12:33 AM	
Surr: Phenol-d6	39.8	0	20-115	%REC	1	08/29/12 02:26 AM	
Surr: Phenol-d6	41.2	0	20-115	%REC	1	08/29/12 12:33 AM	
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: KL
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical**Date:** 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-005-0812
Lab ID: 1208219-01
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
		SW8260C					Analyst: KL
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:05 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:05 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:05 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	08/27/12 02:05 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:05 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	08/27/12 02:05 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:05 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:05 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:05 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:05 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:05 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/27/12 02:05 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:05 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental **Client Sample ID:** RCRC-0114-RMW-005-0812
Project: Rhodes Canyon **Lab ID:** 1208219-01
Project No: **Collection Date:** 08/22/12 12:20 PM
Lab Order: 1208219 **Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
		SW8260C					Analyst: KL
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:05 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:05 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	08/27/12 02:05 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:05 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:05 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:05 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:05 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:05 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	08/27/12 02:05 PM
Surr: 1,2-Dichloroethane-d4	104	0	70-120	%REC	1		08/27/12 02:05 PM
Surr: 4-Bromofluorobenzene	104	0	75-120	%REC	1		08/27/12 02:05 PM
Surr: Dibromofluoromethane	102	0	85-115	%REC	1		08/27/12 02:05 PM
Surr: Toluene-d8	101	0	85-120	%REC	1		08/27/12 02:05 PM
ANIONS BY IC METHOD - WATER							
		E300					Analyst: JBC
Sulfate	1890	100	300		mg/L	100	08/23/12 12:54 PM
ALKALINITY							
		M2320 B					Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	158	10.0	20.0		mg/L	1	08/23/12 11:50 AM
Alkalinity, Carbonate (As CaCO ₃)	<10.0	10.0	20.0		mg/L	1	08/23/12 11:50 AM
Alkalinity, Hydroxide (As CaCO ₃)	<10.0	10.0	20.0		mg/L	1	08/23/12 11:50 AM
Alkalinity, Total (As CaCO ₃)	158	10.0	20.0		mg/L	1	08/23/12 11:50 AM
PH							
		M4500-H+ B					Analyst: JBC
pH	7.01	0	0		pH Units	1	08/23/12 10:22 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-005-0812
Lab ID: 1208219-01
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	8010	50.0	50.0		mg/L	1	Analyst: JCG 08/24/12 05:40 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-105-0812
Lab ID: 1208219-02
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH PURGEABLE BY GC - WATER							
Gasoline Range Organics	<0.0600	0.0600	0.100		mg/L	1	08/23/12 03:06 PM
Surr: Tetrachlorethane	98.8	0	74-138		%REC	1	08/23/12 03:06 PM
TRACE METALS: ICP-MS - WATER							
Lead	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 07:09 PM
SEMIVOLATILES BY GC/MS - WATER							
1,2,4,5-Tetrachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
1,2-Diphenylhydrazine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
1-Chloronaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	08/29/12 12:55 AM
1-Methylnaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	08/29/12 02:50 AM
1-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
2,4,5-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2,4,6-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2,4-Dichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2,4-Dimethylphenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2,4-Dinitrophenol	<0.00100	0.00100	0.00400		mg/L	1	08/29/12 02:50 AM
2,4-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2,6-Dichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2,6-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2-Chloronaphthalene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2-Chlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2-Methylnaphthalene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
2-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2-Nitrophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
2-Picoline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
3,3'-Dichlorobenzidine	<0.00100	0.00100	0.00400		mg/L	1	08/29/12 02:50 AM
3-Methylcholanthrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
3-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
4,6-Dinitro-2-methylphenol	<0.000600	0.000600	0.00200		mg/L	1	08/29/12 02:50 AM
4-Aminobiphenyl	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
4-Bromophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
4-Chloro-3-methylphenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
4-Chloroaniline	<0.000600	0.000600	0.00200		mg/L	1	08/29/12 02:50 AM
4-Chlorophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
4-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
4-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-105-0812
Lab ID: 1208219-02
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
		SW8270C					Analyst: DO
4-Nitrophenol	<0.00100	0.00100	0.00400		mg/L	1	08/29/12 02:50 AM
7,12-Dimethylbenz(a)anthracene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
Acenaphthene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Acenaphthylene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Acetophenone	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Aniline	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Anthracene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Benzidine	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:50 AM
Benzo[a]anthracene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Benzo[a]pyrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Benzo[b]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Benzo[g,h,i]perylene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Benzo[k]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Benzoic acid	0.0103	0.00200	0.00600		mg/L	1	08/29/12 02:50 AM
Benzyl alcohol	<0.000600	0.000600	0.00200		mg/L	1	08/29/12 02:50 AM
Biphenyl	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Bis(2-chloroethoxy)methane	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Bis(2-chloroethyl)ether	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Bis(2-chloroisopropyl)ether	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Bis(2-ethylhexyl)phthalate	<0.00100	0.00100	0.00300		mg/L	1	08/29/12 02:50 AM
Butyl benzyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:50 AM
Carbazole	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Chrysene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Di-n-butyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:50 AM
Di-n-octyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:50 AM
Dibenz(a,j)acridine	<0.00100	0.00100	0.00400	N	mg/L	1	08/29/12 12:55 AM
Dibenz[a,h]anthracene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Dibenzofuran	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Diethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:50 AM
Dimethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 02:50 AM
Dimethylphenethylamine	<0.00200	0.00200	0.00600		mg/L	1	08/29/12 12:55 AM
Diphenylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
Ethyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
Fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Fluorene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Hexachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Hexachlorobutadiene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Hexachlorocyclopentadiene	<0.000600	0.000600	0.00200		mg/L	1	08/29/12 02:50 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-105-0812
Lab ID: 1208219-02
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
				SW8270C			Analyst: DO
Hexachloroethane	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Indeno[1,2,3-cd]pyrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Isophorone	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Methyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
N-Nitrosodi-n-propylamine	<0.000100	0.000100	0.000800		mg/L	1	08/29/12 02:50 AM
N-Nitrosodimethylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
N-Nitrosodiphenylamine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
N-Nitrosopiperidine	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
Naphthalene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Nitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
p-Dimethylaminoazobenzene	<0.000200	0.000200	0.000800	N	mg/L	1	08/29/12 12:55 AM
Pentachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Pentachloronitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
Pentachlorophenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Phenacetin	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
Phenanthrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Phenol	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Pronamide	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 12:55 AM
Pyrene	<0.000200	0.000200	0.000800		mg/L	1	08/29/12 02:50 AM
Pyridine	<0.000800	0.000800	0.00200		mg/L	1	08/29/12 02:50 AM
Surr: 2,4,6-Tribromophenol	108	0	42-124	%REC	1	08/29/12 02:50 AM	
Surr: 2,4,6-Tribromophenol	96.0	0	42-124	%REC	1	08/29/12 12:55 AM	
Surr: 2-Fluorobiphenyl	93.8	0	50-110	%REC	1	08/29/12 12:55 AM	
Surr: 2-Fluorobiphenyl	90.3	0	50-110	%REC	1	08/29/12 02:50 AM	
Surr: 2-Fluorophenol	67.0	0	20-110	%REC	1	08/29/12 12:55 AM	
Surr: 2-Fluorophenol	59.5	0	20-110	%REC	1	08/29/12 02:50 AM	
Surr: 4-Terphenyl-d14	99.2	0	51-135	%REC	1	08/29/12 12:55 AM	
Surr: 4-Terphenyl-d14	99.5	0	51-135	%REC	1	08/29/12 02:50 AM	
Surr: Nitrobenzene-d5	89.8	0	41-110	%REC	1	08/29/12 02:50 AM	
Surr: Nitrobenzene-d5	97.5	0	41-110	%REC	1	08/29/12 12:55 AM	
Surr: Phenol-d6	43.0	0	20-115	%REC	1	08/29/12 02:50 AM	
Surr: Phenol-d6	44.6	0	20-115	%REC	1	08/29/12 12:55 AM	
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: KL
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical**Date:** 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-105-0812
Lab ID: 1208219-02
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
		SW8260C					Analyst: KL
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:29 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:29 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:29 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	08/27/12 02:29 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:29 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	08/27/12 02:29 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:29 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:29 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:29 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:29 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:29 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/27/12 02:29 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:29 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical**Date:** 05-Sep-12

CLIENT: Zia Engineering & Environmental **Client Sample ID:** RCRC-0114-RMW-105-0812
Project: Rhodes Canyon **Lab ID:** 1208219-02
Project No: **Collection Date:** 08/22/12 12:20 PM
Lab Order: 1208219 **Matrix:** AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: KL
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:29 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:29 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	08/27/12 02:29 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:29 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:29 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:29 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:29 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:29 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	08/27/12 02:29 PM
Surr: 1,2-Dichloroethane-d4	103	0	70-120	%REC	1	08/27/12 02:29 PM	
Surr: 4-Bromofluorobenzene	103	0	75-120	%REC	1	08/27/12 02:29 PM	
Surr: Dibromofluoromethane	100	0	85-115	%REC	1	08/27/12 02:29 PM	
Surr: Toluene-d8	101	0	85-120	%REC	1	08/27/12 02:29 PM	
ANIONS BY IC METHOD - WATER							
				E300			Analyst: JBC
Sulfate	1630	100	300		mg/L	100	08/23/12 01:08 PM
ALKALINITY							
				M2320 B			Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	158	10.0	20.0		mg/L	1	08/23/12 12:00 PM
Alkalinity, Carbonate (As CaCO ₃)	<10.0	10.0	20.0		mg/L	1	08/23/12 12:00 PM
Alkalinity, Hydroxide (As CaCO ₃)	<10.0	10.0	20.0		mg/L	1	08/23/12 12:00 PM
Alkalinity, Total (As CaCO ₃)	158	10.0	20.0		mg/L	1	08/23/12 12:00 PM
PH							
				M4500-H+ B			Analyst: JBC
pH	7.08	0	0		pH Units	1	08/23/12 10:25 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-105-0812
Lab ID: 1208219-02
Collection Date: 08/22/12 12:20 PM
Matrix: AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	7440	50.0	50.0		mg/L	1	Analyst: JCG 08/24/12 05:40 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-005-TB
Lab ID: 1208219-03
Collection Date: 08/22/12 12:20 PM
Matrix: TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: KL
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:53 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:53 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:53 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	08/27/12 02:53 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/27/12 02:53 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	08/27/12 02:53 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:53 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:53 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:53 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:53 PM
Acetone	0.0158	0.00500	0.0150		mg/L	1	08/27/12 02:53 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/27/12 02:53 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:53 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical

Date: 05-Sep-12

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Project No:
Lab Order: 1208219

Client Sample ID: RCRC-0114-RMW-005-TB
Lab ID: 1208219-03
Collection Date: 08/22/12 12:20 PM
Matrix: TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: KL
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	08/27/12 02:53 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:53 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	08/27/12 02:53 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/27/12 02:53 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:53 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:53 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/27/12 02:53 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/27/12 02:53 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	08/27/12 02:53 PM
Surr: 1,2-Dichloroethane-d4	104	0	70-120	%REC	1	08/27/12 02:53 PM	
Surr: 4-Bromofluorobenzene	104	0	75-120	%REC	1	08/27/12 02:53 PM	
Surr: Dibromofluoromethane	102	0	85-115	%REC	1	08/27/12 02:53 PM	
Surr: Toluene-d8	102	0	85-120	%REC	1	08/27/12 02:53 PM	

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
C Sample Result or QC discussed in the Case Narrative
E TPH pattern not Gas or Diesel Range Pattern
MDL Method Detection Limit
RL Reporting Limit
N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT**RunID:** GC4_120823A

The QC data in batch 53499 applies to the following samples: 1208219-01B, 1208219-02B

Sample ID: LCS-53499	Batch ID: 53499	TestNo: M8015V	Units: mg/L								
SampType: LCS	Run ID: GC4_120823A	Analysis Date: 8/23/2012 12:03:50 PM	Prep Date: 8/23/2012								
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual											

Gasoline Range Organics	4.72	0.100	5.000	0	94.3	67	136
Surr: Tetrachlorethene	0.367		0.4000		91.7	74	138

Sample ID: MB-53499	Batch ID: 53499	TestNo: M8015V	Units: mg/L								
SampType: MBLK	Run ID: GC4_120823A	Analysis Date: 8/23/2012 12:54:10 PM	Prep Date: 8/23/2012								
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual											

Gasoline Range Organics	<0.0600	0.100									
Surr: Tetrachlorethene	0.400		0.4000		99.9	74	138				

Sample ID: 1208206-01BMS	Batch ID: 53499	TestNo: M8015V	Units: mg/L								
SampType: MS	Run ID: GC4_120823A	Analysis Date: 8/23/2012 3:32:08 PM	Prep Date: 8/23/2012								
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual											

Gasoline Range Organics	4.44	0.100	5.000	0	88.8	67	136				
Surr: Tetrachlorethene	0.366		0.4000		91.5	74	138				

Sample ID: 1208206-01BMSD	Batch ID: 53499	TestNo: M8015V	Units: mg/L								
SampType: MSD	Run ID: GC4_120823A	Analysis Date: 8/23/2012 3:57:44 PM	Prep Date: 8/23/2012								
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual											

Gasoline Range Organics	4.56	0.100	5.000	0	91.1	67	136	2.53	30		
Surr: Tetrachlorethene	0.379		0.4000		94.7	74	138	0	0		

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_120823A

Sample ID: ICV-120823	Batch ID: R62187	TestNo:	M8015V	Units:	mg/L					
SampType: ICV	Run ID: GC4_120823A	Analysis Date: 8/23/2012 11:37:39 AM			Prep Date:					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	9.51	0.100	10.00	0	95.1	80	120			
Surr: Tetrachlorethene	0.400		0.4000		100	74	138			

Sample ID: CCV1-120823	Batch ID: R62187	TestNo:	M8015V	Units:	mg/L					
SampType: CCV	Run ID: GC4_120823A	Analysis Date: 8/23/2012 4:22:51 PM			Prep Date:					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.52	0.100	5.000	0	90.4	80	120			
Surr: Tetrachlorethene	0.345		0.4000		86.2	74	138			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

Page 2 of 36

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120827B

The QC data in batch 53525 applies to the following samples: 1208219-01C, 1208219-02C

Sample ID:	MB-53525	Batch ID:	53525	TestNo:	SW6020	Units:	mg/L				
SampType:	MBLK	Run ID:	ICP-MS2_120827B	Analysis Date: 8/27/2012 6:16:00 PM		Prep Date:	8/27/2012				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		<0.000300	0.00100								
Sample ID:	LCS-53525	Batch ID:	53525	TestNo:	SW6020	Units:	mg/L				
SampType:	LCS	Run ID:	ICP-MS2_120827B	Analysis Date: 8/27/2012 6:22:00 PM		Prep Date:	8/27/2012				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.181	0.00100	0.200	0	90.6	80	120			
Sample ID:	LCSD-53525	Batch ID:	53525	TestNo:	SW6020	Units:	mg/L				
SampType:	LCSD	Run ID:	ICP-MS2_120827B	Analysis Date: 8/27/2012 6:28:00 PM		Prep Date:	8/27/2012				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.188	0.00100	0.200	0	93.8	80	120	3.47	15	
Sample ID:	1208206-01C SD	Batch ID:	53525	TestNo:	SW6020	Units:	mg/L				
SampType:	SD	Run ID:	ICP-MS2_120827B	Analysis Date: 8/27/2012 6:45:00 PM		Prep Date:	8/27/2012				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		<0.00150	0.00500	0	0				0	10	
Sample ID:	1208206-01C PDS	Batch ID:	53525	TestNo:	SW6020	Units:	mg/L				
SampType:	PDS	Run ID:	ICP-MS2_120827B	Analysis Date: 8/27/2012 7:15:00 PM		Prep Date:	8/27/2012				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.198	0.00100	0.200	0	99.0	75	125			
Sample ID:	1208206-01C MS	Batch ID:	53525	TestNo:	SW6020	Units:	mg/L				
SampType:	MS	Run ID:	ICP-MS2_120827B	Analysis Date: 8/27/2012 7:21:00 PM		Prep Date:	8/27/2012				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.194	0.00100	0.200	0	97.2	80	120			
Sample ID:	1208206-01C MSD	Batch ID:	53525	TestNo:	SW6020	Units:	mg/L				
SampType:	MSD	Run ID:	ICP-MS2_120827B	Analysis Date: 8/27/2012 7:27:00 PM		Prep Date:	8/27/2012				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.195	0.00100	0.200	0	97.3	80	120	0.154	15	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

Page 3 of 36

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_120827B

Sample ID: ICV1-120827	Batch ID: R62245	TestNo: SW6020	Units: mg/L							
SampType: ICV	Run ID: ICP-MS2_120827B	Analysis Date: 8/27/2012 3:29:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.0978	0.00100	0.100	0	97.8	90	110			
Sample ID: CCV1-120827	Batch ID: R62245	TestNo: SW6020	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_120827B	Analysis Date: 8/27/2012 5:34:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.189	0.00100	0.200	0	94.7	90	110			
Sample ID: CCV2-120827	Batch ID: R62245	TestNo: SW6020	Units: mg/L							
SampType: CCV	Run ID: ICP-MS2_120827B	Analysis Date: 8/27/2012 7:44:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.188	0.00100	0.200	0	94.0	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

The QC data in batch 53545 applies to the following samples: 1208219-01E, 1208219-02E

Sample ID: LCS-53545	Batch ID: 53545	TestNo: SW8270C	Units: mg/L							
SampType: LCS	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 6:26:00 PM	Prep Date: 8/28/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene	0.0695	0.000800	0.0800	0	86.9	35	120			
1,2-Diphenylhydrazine	0.0403	0.000800	0.0400	0	101	55	115			
1-Methylnaphthalene	0.0325	0.000800	0.0400	0	81.2	45	125			N
2,4,5-Trichlorophenol	0.0366	0.000800	0.0400	0	91.6	50	110			
2,4,6-Trichlorophenol	0.0366	0.000800	0.0400	0	91.6	50	115			
2,4-Dichlorophenol	0.0380	0.000800	0.0400	0	95.1	50	105			
2,4-Dimethylphenol	0.0390	0.000800	0.0400	0	97.5	30	110			
2,4-Dinitrophenol	0.0378	0.00400	0.0400	0	94.4	15	140			
2,4-Dinitrotoluene	0.0367	0.000800	0.0400	0	91.7	50	120			
2,6-Dichlorophenol	0.0374	0.000800	0.0400	0	93.6	35	120			
2,6-Dinitrotoluene	0.0374	0.000800	0.0400	0	93.4	50	115			
2-Chloronaphthalene	0.0430	0.000800	0.0400	0	107	50	105			S
2-Chlorophenol	0.0363	0.000800	0.0400	0	90.7	35	105			
2-Methylnaphthalene	0.0363	0.000800	0.0400	0	90.7	45	105			
2-Methylphenol	0.0374	0.000800	0.0400	0	93.4	40	110			
2-Nitroaniline	0.0333	0.000800	0.0400	0	83.4	50	115			
2-Nitrophenol	0.0372	0.000800	0.0400	0	92.9	40	115			
3,3'-Dichlorobenzidine	0.0334	0.00400	0.0400	0	83.4	20	110			
3-Nitroaniline	0.0328	0.000800	0.0400	0	81.9	20	125			
4,6-Dinitro-2-methylphenol	0.0388	0.00200	0.0400	0	97.1	40	130			
4-Bromophenyl phenyl ether	0.0400	0.000800	0.0400	0	100	50	115			
4-Chloro-3-methylphenol	0.0434	0.000800	0.0400	0	109	45	110			
4-Chloroaniline	0.0340	0.00200	0.0400	0	85.0	15	110			
4-Chlorophenyl phenyl ether	0.0381	0.000800	0.0400	0	95.2	50	110			
4-Methylphenol	0.0370	0.000800	0.0400	0	92.6	30	110			
4-Nitroaniline	0.0304	0.000800	0.0400	0	76.0	35	120			
4-Nitrophenol	0.0197	0.00400	0.0400	0	49.2	20	120			
Acenaphthene	0.0349	0.000800	0.0400	0	87.2	45	110			
Acenaphthylene	0.0369	0.000800	0.0400	0	92.4	50	105			
Acetophenone	0.0702	0.000800	0.0800	0	87.8	45	125			
Aniline	0.0216	0.000800	0.0400	0	54.0	10	140			
Anthracene	0.0367	0.000800	0.0400	0	91.7	55	110			
Benzidine	0.0165	0.00600	0.0400	0	41.2	20	125			
Benzo[a]anthracene	0.0383	0.000800	0.0400	0	95.8	55	110			
Benzo[a]pyrene	0.0411	0.000800	0.0400	0	103	55	110			
Benzo[b]fluoranthene	0.0445	0.000800	0.0400	0	111	45	120			
Benzo[g,h,i]perylene	0.0415	0.000800	0.0400	0	104	40	125			
Benzo[k]fluoranthene	0.0414	0.000800	0.0400	0	104	45	125			
Benzoic acid	0.0198	0.00600	0.0400	0	49.5	5	120			
Benzyl alcohol	0.0299	0.00200	0.0400	0	74.9	30	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: LCS-53545	Batch ID: 53545	TestNo: SW8270C		Units:	mg/L					
SampType: LCS	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 6:26:00 PM					Prep Date: 8/28/2012			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biphenyl	0.0332	0.000800	0.0400	0	83.0	45	125			
Bis(2-chloroethoxy)methane	0.0328	0.000800	0.0400	0	82.1	45	105			
Bis(2-chloroethyl)ether	0.0451	0.000800	0.0400	0	113	35	110			S
Bis(2-chloroisopropyl)ether	0.0318	0.000800	0.0400	0	79.4	25	130			
Bis(2-ethylhexyl)phthalate	0.0392	0.00300	0.0400	0	98.1	40	125			
Butyl benzyl phthalate	0.0388	0.00600	0.0400	0	97.0	45	115			
Carbazole	0.0357	0.000800	0.0400	0	89.2	50	115			
Chrysene	0.0342	0.000800	0.0400	0	85.4	55	110			
Di-n-butyl phthalate	0.0431	0.00600	0.0400	0	108	55	115			
Di-n-octyl phthalate	0.0458	0.00600	0.0400	0	114	35	135			
Dibenz[a,h]anthracene	0.0432	0.000800	0.0400	0	108	40	125			
Dibenzofuran	0.0343	0.000800	0.0400	0	85.7	55	105			
Diethyl phthalate	0.0387	0.00600	0.0400	0	96.9	40	120			
Dimethyl phthalate	0.0376	0.00600	0.0400	0	94.1	25	125			
Fluoranthene	0.0390	0.000800	0.0400	0	97.4	55	115			
Fluorene	0.0380	0.000800	0.0400	0	94.9	50	110			
Hexachlorobenzene	0.0409	0.000800	0.0400	0	102	50	110			
Hexachlorobutadiene	0.0333	0.000800	0.0400	0	83.2	25	105			
Hexachlorocyclopentadiene	0.0253	0.00200	0.0400	0	63.3	25	125			
Hexachloroethane	0.0331	0.000800	0.0400	0	82.7	30	100			
Indeno[1,2,3-cd]pyrene	0.0433	0.000800	0.0400	0	108	45	125			
Isophorone	0.0369	0.000800	0.0400	0	92.3	50	110			
N-Nitrosodi-n-propylamine	0.0439	0.000800	0.0400	0	110	35	130			
N-Nitrosodimethylamine	0.0284	0.000800	0.0400	0	71.0	25	110			
N-Nitrosodiphenylamine	0.0860	0.000800	0.0800	0	108	50	110			
Naphthalene	0.0329	0.000800	0.0400	0	82.2	40	100			
Nitrobenzene	0.0357	0.000800	0.0400	0	89.3	45	110			
Pentachlorobenzene	0.0765	0.000800	0.0800	0	95.6	35	120			
Pentachlorophenol	0.0426	0.000800	0.0400	0	106	40	115			
Phenanthrene	0.0346	0.000800	0.0400	0	86.5	50	115			
Phenol	0.0228	0.000800	0.0400	0	56.9	20	115			
Pyrene	0.0345	0.000800	0.0400	0	86.4	50	130			
Pyridine	0.0233	0.00200	0.0400	0	58.2	20	110			
Surr: 2,4,6-Tribromophenol	92.2		80.00		115	42	124			
Surr: 2-Fluorobiphenyl	72.8		80.00		91.0	50	110			
Surr: 2-Fluorophenol	65.2		80.00		81.5	20	110			
Surr: 4-Terphenyl-d14	84.0		80.00		105	51	135			
Surr: Nitrobenzene-d5	75.0		80.00		93.8	41	110			
Surr: Phenol-d6	51.4		80.00		64.2	20	115			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: 1208206-01EMS	Batch ID: 53545	TestNo: SW8270C		Units:	mg/L					
SampType: MS	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 7:57:00 PM					Prep Date: 8/28/2012			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene	0.0711	0.000800	0.0800	0	88.9	35	120			
1,2-Diphenylhydrazine	0.0399	0.000800	0.0400	0	99.7	55	115			
1-Methylnaphthalene	0.0332	0.000800	0.0400	0	83.0	45	125			N
2,4,5-Trichlorophenol	0.0367	0.000800	0.0400	0	91.8	50	110			
2,4,6-Trichlorophenol	0.0364	0.000800	0.0400	0	91.0	50	115			
2,4-Dichlorophenol	0.0374	0.000800	0.0400	0	93.5	50	105			
2,4-Dimethylphenol	0.0390	0.000800	0.0400	0	97.6	30	110			
2,4-Dinitrophenol	0.0402	0.00400	0.0400	0	100	15	140			
2,4-Dinitrotoluene	0.0374	0.000800	0.0400	0	93.6	50	120			
2,6-Dichlorophenol	0.0377	0.000800	0.0400	0	94.4	35	120			
2,6-Dinitrotoluene	0.0376	0.000800	0.0400	0	94.0	50	115			
2-Chloronaphthalene	0.0410	0.000800	0.0400	0	102	50	105			
2-Chlorophenol	0.0359	0.000800	0.0400	0	89.7	35	105			
2-Methylnaphthalene	0.0366	0.000800	0.0400	0	91.6	45	105			
2-Methylphenol	0.0363	0.000800	0.0400	0	90.9	40	110			
2-Nitroaniline	0.0337	0.000800	0.0400	0	84.2	50	115			
2-Nitrophenol	0.0357	0.000800	0.0400	0	89.4	40	115			
3,3'-Dichlorobenzidine	0.0283	0.00400	0.0400	0	70.8	20	110			
3-Nitroaniline	0.0334	0.000800	0.0400	0	83.4	20	125			
4,6-Dinitro-2-methylphenol	0.0392	0.00200	0.0400	0	98.1	40	130			
4-Bromophenyl phenyl ether	0.0397	0.000800	0.0400	0	99.2	50	115			
4-Chloro-3-methylphenol	0.0417	0.000800	0.0400	0	104	45	110			
4-Chloroaniline	0.0299	0.00200	0.0400	0	74.8	15	110			
4-Chlorophenyl phenyl ether	0.0384	0.000800	0.0400	0	95.9	50	110			
4-Methylphenol	0.0365	0.000800	0.0400	0	91.3	30	110			
4-Nitroaniline	0.0289	0.000800	0.0400	0	72.3	35	120			
4-Nitrophenol	0.0202	0.00400	0.0400	0	50.6	20	120			
Acenaphthene	0.0352	0.000800	0.0400	0	87.9	45	110			
Acenaphthylene	0.0373	0.000800	0.0400	0	93.3	50	105			
Acetophenone	0.0700	0.000800	0.0800	0	87.4	45	125			
Aniline	0.0194	0.000800	0.0400	0	48.4	10	140			
Anthracene	0.0364	0.000800	0.0400	0	91.0	55	110			
Benzidine	0.00584	0.00600	0.0400	0	14.6	20	125			S
Benzo[a]anthracene	0.0388	0.000800	0.0400	0	97.1	55	110			
Benzo[a]pyrene	0.0411	0.000800	0.0400	0	103	55	110			
Benzo[b]fluoranthene	0.0438	0.000800	0.0400	0	110	45	120			
Benzo[g,h,i]perylene	0.0405	0.000800	0.0400	0	101	40	125			
Benzo[k]fluoranthene	0.0409	0.000800	0.0400	0	102	45	125			
Benzoic acid	0.0216	0.00600	0.0400	0.0153	15.8	5	120			
Benzyl alcohol	0.0290	0.00200	0.0400	0	72.4	30	110			
Biphenyl	0.0336	0.000800	0.0400	0	84.1	45	125			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: 1208206-01EMS	Batch ID: 53545	TestNo: SW8270C		Units:	mg/L					
SampType: MS	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 7:57:00 PM					Prep Date: 8/28/2012			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	0.0331	0.000800	0.0400	0	82.8	45	105			
Bis(2-chloroethyl)ether	0.0340	0.000800	0.0400	0	84.9	35	110			
Bis(2-chloroisopropyl)ether	0.0322	0.000800	0.0400	0	80.6	25	130			
Bis(2-ethylhexyl)phthalate	0.0395	0.00300	0.0400	0	98.8	40	125			
Butyl benzyl phthalate	0.0393	0.00600	0.0400	0	98.3	45	115			
Carbazole	0.0351	0.000800	0.0400	0	87.7	50	115			
Chrysene	0.0347	0.000800	0.0400	0	86.7	55	110			
Di-n-butyl phthalate	0.0425	0.00600	0.0400	0	106	55	115			
Di-n-octyl phthalate	0.0459	0.00600	0.0400	0	115	35	135			
Dibenz[a,h]anthracene	0.0423	0.000800	0.0400	0	106	40	125			
Dibenzofuran	0.0343	0.000800	0.0400	0	85.8	55	105			
Diethyl phthalate	0.0393	0.00600	0.0400	0	98.2	40	120			
Dimethyl phthalate	0.0375	0.00600	0.0400	0	93.8	25	125			
Fluoranthene	0.0389	0.000800	0.0400	0	97.2	55	115			
Fluorene	0.0380	0.000800	0.0400	0	94.9	50	110			
Hexachlorobenzene	0.0409	0.000800	0.0400	0	102	50	110			
Hexachlorobutadiene	0.0348	0.000800	0.0400	0	86.9	25	105			
Hexachlorocyclopentadiene	0.0264	0.00200	0.0400	0	65.9	25	125			
Hexachloroethane	0.0330	0.000800	0.0400	0	82.6	30	100			
Indeno[1,2,3-cd]pyrene	0.0425	0.000800	0.0400	0	106	45	125			
Isophorone	0.0373	0.000800	0.0400	0	93.3	50	110			
N-Nitrosodi-n-propylamine	0.0432	0.000800	0.0400	0	108	35	130			
N-Nitrosodimethylamine	0.0286	0.000800	0.0400	0	71.5	25	110			
N-Nitrosodiphenylamine	0.0866	0.000800	0.0800	0	108	50	110			
Naphthalene	0.0333	0.000800	0.0400	0	83.3	40	100			
Nitrobenzene	0.0355	0.000800	0.0400	0	88.7	45	110			
Pentachlorobenzene	0.0761	0.000800	0.0800	0	95.1	35	120			
Pentachlorophenol	0.0428	0.000800	0.0400	0	107	40	115			
Phenanthrene	0.0348	0.000800	0.0400	0	87.0	50	115			
Phenol	0.0223	0.000800	0.0400	0	55.8	20	115			
Pyrene	0.0353	0.000800	0.0400	0	88.2	50	130			
Pyridine	0.0219	0.00200	0.0400	0	54.7	20	110			
Surr: 2,4,6-Tribromophenol	90.8		80.00		114	42	124			
Surr: 2-Fluorobiphenyl	73.4		80.00		91.8	50	110			
Surr: 2-Fluorophenol	63.8		80.00		79.8	20	110			
Surr: 4-Terphenyl-d14	82.8		80.00		104	51	135			
Surr: Nitrobenzene-d5	75.2		80.00		94.0	41	110			
Surr: Phenol-d6	49.8		80.00		62.3	20	115			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: 1208206-01EMSD	Batch ID: 53545	TestNo: SW8270C		Units: mg/L						
SampType: MSD	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 8:20:00 PM			Prep Date: 8/28/2012					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene	0.0722	0.000800	0.0800	0	90.2	35	120	1.45	30	
1,2-Diphenylhydrazine	0.0404	0.000800	0.0400	0	101	55	115	1.44	30	
1-Methylnaphthalene	0.0331	0.000800	0.0400	0	82.8	45	125	0.301	30	N
2,4,5-Trichlorophenol	0.0363	0.000800	0.0400	0	90.7	50	110	1.21	30	
2,4,6-Trichlorophenol	0.0360	0.000800	0.0400	0	89.9	50	115	1.22	30	
2,4-Dichlorophenol	0.0383	0.000800	0.0400	0	95.8	50	105	2.48	30	
2,4-Dimethylphenol	0.0392	0.000800	0.0400	0	97.9	30	110	0.307	30	
2,4-Dinitrophenol	0.0360	0.00400	0.0400	0	89.9	15	140	11.0	30	
2,4-Dinitrotoluene	0.0362	0.000800	0.0400	0	90.4	50	120	3.37	30	
2,6-Dichlorophenol	0.0385	0.000800	0.0400	0	96.2	35	120	1.89	30	
2,6-Dinitrotoluene	0.0372	0.000800	0.0400	0	93.0	50	115	1.07	30	
2-Chloronaphthalene	0.0414	0.000800	0.0400	0	103	50	105	0.923	30	
2-Chlorophenol	0.0357	0.000800	0.0400	0	89.3	35	105	0.447	30	
2-Methylnaphthalene	0.0369	0.000800	0.0400	0	92.2	45	105	0.707	30	
2-Methylphenol	0.0349	0.000800	0.0400	0	87.2	40	110	4.16	30	
2-Nitroaniline	0.0330	0.000800	0.0400	0	82.6	50	115	1.98	30	
2-Nitrophenol	0.0367	0.000800	0.0400	0	91.9	40	115	2.76	30	
3,3'-Dichlorobenzidine	0.0275	0.00400	0.0400	0	68.8	20	110	2.87	30	
3-Nitroaniline	0.0321	0.000800	0.0400	0	80.2	20	125	3.97	30	
4,6-Dinitro-2-methylphenol	0.0400	0.00200	0.0400	0	100	40	130	1.97	30	
4-Bromophenyl phenyl ether	0.0395	0.000800	0.0400	0	98.9	50	115	0.404	30	
4-Chloro-3-methylphenol	0.0429	0.000800	0.0400	0	107	45	110	2.89	30	
4-Chloroaniline	0.0303	0.00200	0.0400	0	75.7	15	110	1.13	30	
4-Chlorophenyl phenyl ether	0.0380	0.000800	0.0400	0	95.0	50	110	0.943	30	
4-Methylphenol	0.0368	0.000800	0.0400	0	91.9	30	110	0.655	30	
4-Nitroaniline	0.0279	0.000800	0.0400	0	69.6	35	120	3.73	30	
4-Nitrophenol	0.0197	0.00400	0.0400	0	49.2	20	120	2.81	30	
Acenaphthene	0.0349	0.000800	0.0400	0	87.3	45	110	0.685	30	
Acenaphthylene	0.0369	0.000800	0.0400	0	92.4	50	105	0.970	30	
Acetophenone	0.0694	0.000800	0.0800	0	86.8	45	125	0.746	30	
Aniline	0.0211	0.000800	0.0400	0	52.6	10	140	8.41	30	
Anthracene	0.0368	0.000800	0.0400	0	92.0	55	110	1.09	30	
Benzidine	0.00416	0.00600	0.0400	0	10.4	20	125	33.6	30	SR
Benzo[a]anthracene	0.0387	0.000800	0.0400	0	96.9	55	110	0.258	30	
Benzo[a]pyrene	0.0403	0.000800	0.0400	0	101	55	110	2.02	30	
Benzo[b]fluoranthene	0.0435	0.000800	0.0400	0	109	45	120	0.871	30	
Benzo[g,h,i]perylene	0.0402	0.000800	0.0400	0	100	40	125	0.892	30	
Benzo[k]fluoranthene	0.0411	0.000800	0.0400	0	103	45	125	0.390	30	
Benzoic acid	0.0236	0.00600	0.0400	0.0153	20.8	5	120	8.85	30	
Benzyl alcohol	0.0287	0.00200	0.0400	0	71.7	30	110	0.972	30	
Biphenyl	0.0336	0.000800	0.0400	0	83.9	45	125	0.238	30	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: 1208206-01EMSD	Batch ID: 53545	TestNo: SW8270C		Units: mg/L						
SampType: MSD	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 8:20:00 PM			Prep Date: 8/28/2012					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	0.0331	0.000800	0.0400	0	82.6	45	105	0.181	30	
Bis(2-chloroethyl)ether	0.0345	0.000800	0.0400	0	86.3	35	110	1.64	30	
Bis(2-chloroisopropyl)ether	0.0314	0.000800	0.0400	0	78.6	25	130	2.51	30	
Bis(2-ethylhexyl)phthalate	0.0396	0.00300	0.0400	0	99.1	40	125	0.303	30	
Butyl benzyl phthalate	0.0391	0.00600	0.0400	0	97.7	45	115	0.612	30	
Carbazole	0.0354	0.000800	0.0400	0	88.5	50	115	0.908	30	
Chrysene	0.0349	0.000800	0.0400	0	87.4	55	110	0.747	30	
Di-n-butyl phthalate	0.0426	0.00600	0.0400	0	106	55	115	0.282	30	
Di-n-octyl phthalate	0.0452	0.00600	0.0400	0	113	35	135	1.45	30	
Dibenz[a,h]anthracene	0.0411	0.000800	0.0400	0	103	40	125	2.83	30	
Dibenzofuran	0.0341	0.000800	0.0400	0	85.3	55	105	0.526	30	
Diethyl phthalate	0.0380	0.00600	0.0400	0	95.1	40	120	3.26	30	
Dimethyl phthalate	0.0367	0.00600	0.0400	0	91.7	25	125	2.26	30	
Fluoranthene	0.0389	0.000800	0.0400	0	97.3	55	115	0.103	30	
Fluorene	0.0374	0.000800	0.0400	0	93.6	50	110	1.38	30	
Hexachlorobenzene	0.0413	0.000800	0.0400	0	103	50	110	0.925	30	
Hexachlorobutadiene	0.0354	0.000800	0.0400	0	88.4	25	105	1.71	30	
Hexachlorocyclopentadiene	0.0252	0.00200	0.0400	0	62.9	25	125	4.66	30	
Hexachloroethane	0.0340	0.000800	0.0400	0	84.9	30	100	2.81	30	
Indeno[1,2,3-cd]pyrene	0.0418	0.000800	0.0400	0	105	45	125	1.57	30	
Isophorone	0.0372	0.000800	0.0400	0	93.0	50	110	0.322	30	
N-Nitrosodi-n-propylamine	0.0427	0.000800	0.0400	0	107	35	130	1.07	30	
N-Nitrosodimethylamine	0.0262	0.000800	0.0400	0	65.4	25	110	8.84	30	
N-Nitrosodiphenylamine	0.0862	0.000800	0.0800	0	108	50	110	0.486	30	
Naphthalene	0.0338	0.000800	0.0400	0	84.6	40	100	1.61	30	
Nitrobenzene	0.0359	0.000800	0.0400	0	89.7	45	110	1.12	30	
Pentachlorobenzene	0.0769	0.000800	0.0800	0	96.1	35	120	1.02	30	
Pentachlorophenol	0.0433	0.000800	0.0400	0	108	40	115	1.07	30	
Phenanthrene	0.0347	0.000800	0.0400	0	86.8	50	115	0.288	30	
Phenol	0.0214	0.000800	0.0400	0	53.4	20	115	4.31	30	
Pyrene	0.0350	0.000800	0.0400	0	87.6	50	130	0.739	30	
Pyridine	0.0235	0.00200	0.0400	0	58.8	20	110	7.14	30	
Surr: 2,4,6-Tribromophenol	91.2		80.00		114	42	124	0	0	
Surr: 2-Fluorobiphenyl	71.6		80.00		89.5	50	110	0	0	
Surr: 2-Fluorophenol	62.0		80.00		77.5	20	110	0	0	
Surr: 4-Terphenyl-d14	84.0		80.00		105	51	135	0	0	
Surr: Nitrobenzene-d5	75.8		80.00		94.8	41	110	0	0	
Surr: Phenol-d6	46.8		80.00		58.5	20	115	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: MB-53545	Batch ID: 53545	TestNo: SW8270C	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 10:39:00 PM Prep Date: 8/28/2012								
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene	<0.000200	0.000800								N
1,2-Diphenylhydrazine	<0.000200	0.000800								
1-Methylnaphthalene	<0.000200	0.000800								
2,4,5-Trichlorophenol	<0.000200	0.000800								
2,4,6-Trichlorophenol	<0.000200	0.000800								
2,4-Dichlorophenol	<0.000200	0.000800								
2,4-Dimethylphenol	<0.000200	0.000800								
2,4-Dinitrophenol	<0.00100	0.00400								
2,4-Dinitrotoluene	<0.000200	0.000800								
2,6-Dichlorophenol	<0.000200	0.000800								
2,6-Dinitrotoluene	<0.000200	0.000800								
2-Chloronaphthalene	<0.000200	0.000800								
2-Chlorophenol	<0.000200	0.000800								
2-Methylnaphthalene	<0.000200	0.000800								
2-Methylphenol	<0.000200	0.000800								
2-Nitroaniline	<0.000200	0.000800								
2-Nitrophenol	<0.000200	0.000800								
3,3'-Dichlorobenzidine	<0.00100	0.00400								
3-Nitroaniline	<0.000200	0.000800								
4,6-Dinitro-2-methylphenol	<0.000600	0.00200								
4-Bromophenyl phenyl ether	<0.000200	0.000800								
4-Chloro-3-methylphenol	<0.000200	0.000800								
4-Chloroaniline	<0.000600	0.00200								
4-Chlorophenyl phenyl ether	<0.000200	0.000800								
4-Methylphenol	<0.000200	0.000800								
4-Nitroaniline	<0.000200	0.000800								
4-Nitrophenol	<0.00100	0.00400								
Acenaphthene	<0.000200	0.000800								
Acenaphthylene	<0.000200	0.000800								
Acetophenone	<0.000200	0.000800								
Aniline	<0.000200	0.000800								
Anthracene	<0.000200	0.000800								
Benzidine	<0.00200	0.00600								
Benzo[a]anthracene	<0.000200	0.000800								
Benzo[a]pyrene	<0.000200	0.000800								
Benzo[b]fluoranthene	<0.000200	0.000800								
Benzo[g,h,i]perylene	<0.000200	0.000800								
Benzo[k]fluoranthene	<0.000200	0.000800								
Benzoic acid	<0.00200	0.00600								
Benzyl alcohol	<0.000600	0.00200								
Biphenyl	<0.000200	0.000800								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: MB-53545	Batch ID: 53545	TestNo: SW8270C	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 10:39:00 PM Prep Date: 8/28/2012								
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	<0.000200	0.000800								
Bis(2-chloroethyl)ether	<0.000200	0.000800								
Bis(2-chloroisopropyl)ether	<0.000200	0.000800								
Bis(2-ethylhexyl)phthalate	<0.00100	0.00300								
Butyl benzyl phthalate	<0.00200	0.00600								
Carbazole	<0.000200	0.000800								
Chrysene	<0.000200	0.000800								
Di-n-butyl phthalate	<0.00200	0.00600								
Di-n-octyl phthalate	<0.00200	0.00600								
Dibenz[a,h]anthracene	<0.000200	0.000800								
Dibenzofuran	<0.000200	0.000800								
Diethyl phthalate	<0.00200	0.00600								
Dimethyl phthalate	<0.00200	0.00600								
Fluoranthene	<0.000200	0.000800								
Fluorene	<0.000200	0.000800								
Hexachlorobenzene	<0.000200	0.000800								
Hexachlorobutadiene	<0.000200	0.000800								
Hexachlorocyclopentadiene	<0.000600	0.00200								
Hexachloroethane	<0.000200	0.000800								
Indeno[1,2,3-cd]pyrene	<0.000200	0.000800								
Isophorone	<0.000200	0.000800								
N-Nitrosodi-n-propylamine	<0.000100	0.000800								
N-Nitrosodimethylamine	<0.000200	0.000800								
N-Nitrosodiphenylamine	<0.000200	0.000800								
Naphthalene	<0.000200	0.000800								
Nitrobenzene	<0.000200	0.000800								
Pentachlorobenzene	<0.000200	0.000800								
Pentachlorophenol	<0.000200	0.000800								
Phenanthrene	<0.000200	0.000800								
Phenol	<0.000200	0.000800								
Pyrene	<0.000200	0.000800								
Pyridine	<0.000800	0.00200								
Surr: 2,4,6-Tribromophenol	84.8	80.00		106	42	124				
Surr: 2-Fluorobiphenyl	68.2	80.00		85.3	50	110				
Surr: 2-Fluorophenol	51.6	80.00		64.5	20	110				
Surr: 4-Terphenyl-d14	78.6	80.00		98.3	51	135				
Surr: Nitrobenzene-d5	70.6	80.00		88.2	41	110				
Surr: Phenol-d6	37.2	80.00		46.5	20	115				

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: ICV-120828	Batch ID: R62279	TestNo: SW8270C		Units:	mg/L					
SampType: ICV	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 4:54:00 PM			Prep Date:					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene	4.28	0.000800	4.00	0	107	80	120			
1,2-Diphenylhydrazine	3.78	0.000800	4.00	0	94.4	80	120			
1-Methylnaphthalene	8.69	0.000800	8.00	0	109	80	120			N
2,4,5-Trichlorophenol	3.93	0.000800	4.00	0	98.3	80	120			
2,4,6-Trichlorophenol	3.88	0.000800	4.00	0	96.9	80	120			
2,4-Dichlorophenol	3.89	0.000800	4.00	0	97.3	80	120			
2,4-Dimethylphenol	3.50	0.000800	4.00	0	87.4	80	120			
2,4-Dinitrophenol	3.84	0.00400	4.00	0	96.0	80	120			
2,4-Dinitrotoluene	3.68	0.000800	4.00	0	92.0	80	120			
2,6-Dichlorophenol	3.86	0.000800	4.00	0	96.5	80	120			
2,6-Dinitrotoluene	3.98	0.000800	4.00	0	99.5	80	120			
2-Chloronaphthalene	3.88	0.000800	4.00	0	97.1	80	120			
2-Chlorophenol	3.66	0.000800	4.00	0	91.5	80	120			
2-Methylnaphthalene	4.01	0.000800	4.00	0	100	80	120			
2-Methylphenol	3.57	0.000800	4.00	0	89.2	80	120			
2-Nitroaniline	3.47	0.000800	4.00	0	86.7	80	120			
2-Nitrophenol	3.94	0.000800	4.00	0	98.6	80	120			
3,3'-Dichlorobenzidine	3.70	0.00400	4.00	0	92.5	80	120			
3-Nitroaniline	3.60	0.000800	4.00	0	89.9	80	120			
4,6-Dinitro-2-methylphenol	3.87	0.00200	4.00	0	96.6	80	120			
4-Bromophenyl phenyl ether	4.22	0.000800	4.00	0	105	80	120			
4-Chloro-3-methylphenol	4.35	0.000800	4.00	0	109	80	120			
4-Chloroaniline	4.00	0.00200	4.00	0	100	80	120			
4-Chlorophenyl phenyl ether	4.08	0.000800	4.00	0	102	80	120			
4-Methylphenol	3.73	0.000800	4.00	0	93.2	80	120			
4-Nitroaniline	3.31	0.000800	4.00	0	82.6	80	120			
4-Nitrophenol	3.87	0.00400	4.00	0	96.8	80	120			
Acenaphthene	3.80	0.000800	4.00	0	95.0	80	120			
Acenaphthylene	3.97	0.000800	4.00	0	99.2	80	120			
Acetophenone	4.02	0.000800	4.00	0	100	80	120			
Aniline	3.56	0.000800	4.00	0	89.1	80	120			
Anthracene	3.82	0.000800	4.00	0	95.6	80	120			
Benzidine	2.59	0.00600	4.00	0	64.7	80	120			S
Benzo[a]anthracene	3.83	0.000800	4.00	0	95.7	80	120			
Benzo[a]pyrene	3.73	0.000800	4.00	0	93.3	80	120			
Benzo[b]fluoranthene	4.57	0.000800	4.00	0	114	80	120			
Benzo[g,h,i]perylene	4.19	0.000800	4.00	0	105	80	120			
Benzo[k]fluoranthene	3.62	0.000800	4.00	0	90.5	80	120			
Benzoic acid	3.58	0.00600	4.00	0	89.4	80	120			
Benzyl alcohol	3.48	0.00200	4.00	0	86.9	80	120			
Biphenyl	3.91	0.000800	4.00	0	97.8	80	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828B

Sample ID: ICV-120828	Batch ID: R62279	TestNo: SW8270C		Units:	mg/L					
SampType: ICV	Run ID: GCMS9_120828B	Analysis Date: 8/28/2012 4:54:00 PM			Prep Date:					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	3.47	0.000800	4.00	0	86.7	80	120			
Bis(2-chloroethyl)ether	4.87	0.000800	4.00	0	122	80	120			S
Bis(2-chloroisopropyl)ether	3.35	0.000800	4.00	0	83.8	80	120			
Bis(2-ethylhexyl)phthalate	3.67	0.00300	4.00	0	91.8	80	120			
Butyl benzyl phthalate	3.65	0.00600	4.00	0	91.2	80	120			
Carbazole	3.81	0.000800	4.00	0	95.2	80	120			
Chrysene	3.38	0.000800	4.00	0	84.5	80	120			
Di-n-butyl phthalate	4.39	0.00600	4.00	0	110	80	120			
Di-n-octyl phthalate	3.85	0.00600	4.00	0	96.2	80	120			
Dibenz[a,h]anthracene	4.28	0.000800	4.00	0	107	80	120			
Dibenzofuran	3.78	0.000800	4.00	0	94.5	80	120			
Diethyl phthalate	4.10	0.00600	4.00	0	102	80	120			
Dimethyl phthalate	3.94	0.00600	4.00	0	98.6	80	120			
Fluoranthene	4.12	0.000800	4.00	0	103	80	120			
Fluorene	4.13	0.000800	4.00	0	103	80	120			
Hexachlorobenzene	4.37	0.000800	4.00	0	109	80	120			
Hexachlorobutadiene	4.34	0.000800	4.00	0	109	80	120			
Hexachlorocyclopentadiene	3.52	0.00200	4.00	0	88.1	80	120			
Hexachloroethane	3.94	0.000800	4.00	0	98.6	80	120			
Indeno[1,2,3-cd]pyrene	4.32	0.000800	4.00	0	108	80	120			
Isophorone	3.78	0.000800	4.00	0	94.5	80	120			
N-Nitrosodi-n-propylamine	4.23	0.000800	4.00	0	106	80	120			
N-Nitrosodimethylamine	5.04	0.000800	4.00	0	126	80	120			S
N-Nitrosodiphenylamine	3.96	0.000800	4.00	0	98.9	80	120			
Naphthalene	3.62	0.000800	4.00	0	90.4	80	120			
Nitrobenzene	3.77	0.000800	4.00	0	94.4	80	120			
Pentachlorobenzene	4.07	0.000800	4.00	0	102	80	120			
Pentachlorophenol	4.27	0.000800	4.00	0	107	80	120			
Phenanthrene	3.67	0.000800	4.00	0	91.7	80	120			
Phenol	3.21	0.000800	4.00	0	80.3	80	120			
Pyrene	3.48	0.000800	4.00	0	87.1	80	120			
Pyridine	4.67	0.00200	4.00	0	117	80	120			
Surr: 2,4,6-Tribromophenol	4250		4000		106	80	120			
Surr: 2-Fluorobiphenyl	3630		4000		90.8	80	120			
Surr: 2-Fluorophenol	3410		4000		85.2	80	120			
Surr: 4-Terphenyl-d14	3540		4000		88.5	80	120			
Surr: Nitrobenzene-d5	3660		4000		91.5	80	120			
Surr: Phenol-d6	3420		4000		85.5	80	120			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828C

The QC data in batch 53545 applies to the following samples: 1208219-01E, 1208219-02E

Sample ID: LCS-53545	Batch ID: 53545	TestNo: SW8270C	Units: mg/L							
SampType: LCS	Run ID: GCMS9_120828C	Analysis Date: 8/28/2012 6:03:00 PM	Prep Date: 8/28/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene	0.0338	0.000800	0.0400	0	84.4	45	125			N
1-Naphthylamine	0.0321	0.000800	0.0400	0	80.3	45	125			
2-Naphthylamine	0.0310	0.000800	0.0400	0	77.4	45	125			
2-Picoline	0.0261	0.000800	0.0400	0	65.2	45	125			
3-Methylcholanthrene	0.0387	0.000800	0.0400	0	96.7	45	125			
4-Aminobiphenyl	0.0233	0.000800	0.0400	0	58.2	45	125			
7,12-Dimethylbenz(a)anthracene	0.0409	0.000800	0.0400	0	102	45	125			
Dibenz(a,j)acridine	0.0394	0.00400	0.0400	0	98.6	45	125			N
Dimethylphenethylamine	0.0206	0.00600	0.0400	0	51.5	45	125			
Diphenylamine	0.0722	0.000800	0.0800	0	90.3	45	125			
Ethyl methanesulfonate	0.0372	0.000800	0.0400	0	93.0	45	125			
Methyl methanesulfonate	0.0296	0.000800	0.0400	0	74.1	45	125			
N-Nitrosopiperidine	0.0382	0.000800	0.0400	0	95.4	45	125			
p-Dimethylaminoazobenzene	0.0402	0.000800	0.0400	0	100	45	125			N
Pentachloronitrobenzene	0.0410	0.000800	0.0400	0	103	45	125			
Phenacetin	0.0428	0.000800	0.0400	0	107	45	125			
Pronamide	0.0408	0.000800	0.0400	0	102	45	125			
Surr: 2,4,6-Tribromophenol	81.0		80.00		101	42	124			
Surr: 2-Fluorobiphenyl	76.0		80.00		95.0	50	110			
Surr: 2-Fluorophenol	70.6		80.00		88.2	20	110			
Surr: 4-Terphenyl-d14	83.8		80.00		105	51	135			
Surr: Nitrobenzene-d5	81.2		80.00		102	41	110			
Surr: Phenol-d6	53.4		80.00		66.8	20	115			

Sample ID: 1208206-01EMS	Batch ID: 53545	TestNo: SW8270C	Units: mg/L							
SampType: MS	Run ID: GCMS9_120828C	Analysis Date: 8/28/2012 7:13:00 PM	Prep Date: 8/28/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene	0.0341	0.000800	0.0400	0	85.3	45	125			N
1-Naphthylamine	0.0307	0.000800	0.0400	0	76.8	45	125			
2-Naphthylamine	0.0297	0.000800	0.0400	0	74.4	45	125			
2-Picoline	0.0261	0.000800	0.0400	0	65.4	45	125			
3-Methylcholanthrene	0.0391	0.000800	0.0400	0	97.9	45	125			
4-Aminobiphenyl	0.00618	0.000800	0.0400	0	15.4	45	125			S
7,12-Dimethylbenz(a)anthracene	0.0410	0.000800	0.0400	0	102	45	125			
Dibenz(a,j)acridine	0.0390	0.00400	0.0400	0	97.5	45	125			N
Dimethylphenethylamine	0.0152	0.00600	0.0400	0	38.0	45	125			S
Diphenylamine	0.0717	0.000800	0.0800	0	89.6	45	125			
Ethyl methanesulfonate	0.0374	0.000800	0.0400	0	93.5	45	125			
Methyl methanesulfonate	0.0304	0.000800	0.0400	0	76.0	45	125			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828C

Sample ID: 1208206-01EMS	Batch ID: 53545	TestNo: SW8270C		Units:	mg/L					
SampType: MS	Run ID: GCMS9_120828C	Analysis Date: 8/28/2012 7:13:00 PM					Prep Date: 8/28/2012			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Nitrosopiperidine	0.0386	0.000800	0.0400	0	96.5	45	125			
p-Dimethylaminoazobenzene	0.0402	0.000800	0.0400	0	100	45	125			N
Pentachloronitrobenzene	0.0404	0.000800	0.0400	0	101	45	125			
Phenacetin	0.0426	0.000800	0.0400	0	106	45	125			
Pronamide	0.0394	0.000800	0.0400	0	98.4	45	125			
Surr: 2,4,6-Tribromophenol	77.8		80.00		97.3	42	124			
Surr: 2-Fluorobiphenyl	76.0		80.00		95.0	50	110			
Surr: 2-Fluorophenol	70.0		80.00		87.5	20	110			
Surr: 4-Terphenyl-d14	82.8		80.00		104	51	135			
Surr: Nitrobenzene-d5	81.2		80.00		102	41	110			
Surr: Phenol-d6	52.4		80.00		65.5	20	115			

Sample ID: 1208206-01EMSD	Batch ID: 53545	TestNo: SW8270C		Units:	mg/L					
SampType: MSD	Run ID: GCMS9_120828C	Analysis Date: 8/28/2012 7:35:00 PM					Prep Date: 8/28/2012			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene	0.0345	0.000800	0.0400	0	86.3	45	125	1.17	30	N
1-Naphthylamine	0.0312	0.000800	0.0400	0	78.1	45	125	1.55	30	
2-Naphthylamine	0.0297	0.000800	0.0400	0	74.3	45	125	0.067	30	
2-Picoline	0.0300	0.000800	0.0400	0	75.0	45	125	13.7	30	
3-Methylcholanthrene	0.0388	0.000800	0.0400	0	97.0	45	125	0.872	30	
4-Aminobiphenyl	0.00640	0.000800	0.0400	0	16.0	45	125	3.50	30	S
7,12-Dimethylbenz(a)anthracene	0.0403	0.000800	0.0400	0	101	45	125	1.57	30	
Dibenz(a,j)acridine	0.0394	0.00400	0.0400	0	98.6	45	125	1.07	30	N
Dimethylphenethylamine	0.0228	0.00600	0.0400	0	57.0	45	125	40.0	30	R
Diphenylamine	0.0716	0.000800	0.0800	0	89.5	45	125	0.083	30	
Ethyl methanesulfonate	0.0375	0.000800	0.0400	0	93.8	45	125	0.374	30	
Methyl methanesulfonate	0.0304	0.000800	0.0400	0	76.0	45	125	0	30	
N-Nitrosopiperidine	0.0383	0.000800	0.0400	0	95.8	45	125	0.676	30	
p-Dimethylaminoazobenzene	0.0403	0.000800	0.0400	0	101	45	125	0.348	30	N
Pentachloronitrobenzene	0.0410	0.000800	0.0400	0	102	45	125	1.33	30	
Phenacetin	0.0428	0.000800	0.0400	0	107	45	125	0.562	30	
Pronamide	0.0392	0.000800	0.0400	0	98.1	45	125	0.305	30	
Surr: 2,4,6-Tribromophenol	80.0		80.00		100	42	124	0	0	
Surr: 2-Fluorobiphenyl	77.0		80.00		96.2	50	110	0	0	
Surr: 2-Fluorophenol	69.2		80.00		86.5	20	110	0	0	
Surr: 4-Terphenyl-d14	83.0		80.00		104	51	135	0	0	
Surr: Nitrobenzene-d5	80.6		80.00		101	41	110	0	0	
Surr: Phenol-d6	50.6		80.00		63.3	20	115	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828C

Sample ID: MB-53545	Batch ID: 53545	TestNo: SW8270C	Units: mg/L							
SampType: MBLK	Run ID: GCMS9_120828C	Analysis Date: 8/28/2012 11:02:00 PM	Prep Date: 8/28/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene	<0.000200	0.000800								N
1-Naphthylamine	<0.000200	0.000800								
2-Naphthylamine	<0.000200	0.000800								
2-Picoline	<0.000200	0.000800								
3-Methylcholanthrene	<0.000200	0.000800								
4-Aminobiphenyl	<0.000200	0.000800								
7,12-Dimethylbenz(a)anthracene	<0.000200	0.000800								
Dibenz(a,j)acridine	<0.00100	0.00400								N
Dimethylphenethylamine	<0.00200	0.00600								
Diphenylamine	<0.000200	0.000800								
Ethyl methanesulfonate	<0.000200	0.000800								
Methyl methanesulfonate	<0.000200	0.000800								
N-Nitrosopiperidine	<0.000200	0.000800								
p-Dimethylaminoazobenzene	<0.000200	0.000800								
Pentachloronitrobenzene	<0.000200	0.000800								
Phenacetin	<0.000200	0.000800								
Pronamide	<0.000200	0.000800								
Surr: 2,4,6-Tribromophenol	74.4	80.00		93.0	42	124				
Surr: 2-Fluorobiphenyl	72.4	80.00		90.5	50	110				
Surr: 2-Fluorophenol	57.4	80.00		71.8	20	110				
Surr: 4-Terphenyl-d14	78.6	80.00		98.3	51	135				
Surr: Nitrobenzene-d5	76.2	80.00		95.2	41	110				
Surr: Phenol-d6	39.2	82.00		47.8	20	115				

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_120828C

Sample ID: ICV-120828 APP9	Batch ID: R62315	TestNo: SW8270C	Units: mg/L							
SampType: ICV	Run ID: GCMS9_120828C	Analysis Date: 8/28/2012 5:18:00 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene	3.86	0.000800	4.00	0	96.6	80	120			N
1-Naphthylamine	4.02	0.000800	4.00	0	101	80	120			
2-Naphthylamine	4.07	0.000800	4.00	0	102	80	120			
2-Picoline	3.98	0.000800	4.00	0	99.4	80	120			
3-Methylcholanthrene	4.07	0.000800	4.00	0	102	80	120			
4-Aminobiphenyl	4.27	0.000800	4.00	0	107	80	120			
7,12-Dimethylbenz(a)anthracene	4.39	0.000800	4.00	0	110	80	120			
Dibenz(a,j)acridine	4.26	0.00400	4.00	0	106	80	120			N
Dimethylphenethylamine	4.22	0.00600	4.00	0	105	80	120			
Diphenylamine	4.21	0.000800	4.00	0	105	80	120			
Ethyl methanesulfonate	4.03	0.000800	4.00	0	101	80	120			
Methyl methanesulfonate	4.18	0.000800	4.00	0	105	80	120			
N-Nitrosopiperidine	4.15	0.000800	4.00	0	104	80	120			
p-Dimethylaminoazobenzene	4.11	0.000800	4.00	0	103	80	120			N
Pentachloronitrobenzene	4.10	0.000800	4.00	0	102	80	120			
Phenacetin	4.08	0.000800	4.00	0	102	80	120			
Pronamide	3.97	0.000800	4.00	0	99.2	80	120			
Surr: 2,4,6-Tribromophenol	3990		4000		99.8	80	120			
Surr: 2-Fluorobiphenyl	4010		4000		100	80	120			
Surr: 2-Fluorophenol	4080		4000		102	80	120			
Surr: 4-Terphenyl-d14	3980		4000		99.5	80	120			
Surr: Nitrobenzene-d5	4190		4000		105	80	120			
Surr: Phenol-d6	4150		4000		104	80	120			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

The QC data in batch 53517 applies to the following samples: 1208219-01A, 1208219-02A, 1208219-03A

Sample ID: LCS-53517	Batch ID: 53517	TestNo: SW8260C	Units: mg/L							
SampType: LCS	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 11:14:00 AM Prep Date: 8/27/2012								
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.0232	0.00100	0.0232	0	100	80	130			
1,1,1-Trichloroethane	0.0223	0.00100	0.0232	0	96.2	65	130			
1,1,2,2-Tetrachloroethane	0.0238	0.00100	0.0232	0	103	65	130			
1,1,2-Trichloroethane	0.0221	0.00100	0.0232	0	95.3	75	125			
1,1-Dichloroethane	0.0219	0.00100	0.0232	0	94.5	70	135			
1,1-Dichloroethene	0.0217	0.00100	0.0232	0	93.5	70	130			
1,1-Dichloropropene	0.0221	0.00100	0.0232	0	95.4	75	130			
1,2,3-Trichlorobenzene	0.0242	0.00500	0.0232	0	104	55	140			
1,2,3-Trichloropropane	0.0227	0.00100	0.0232	0	97.8	75	125			
1,2,4-Trichlorobenzene	0.0234	0.00500	0.0232	0	101	65	135			
1,2,4-Trimethylbenzene	0.0239	0.00500	0.0232	0	103	75	130			
1,2-Dibromo-3-chloropropane	0.0241	0.0100	0.0232	0	104	50	130			
1,2-Dibromoethane	0.0233	0.00100	0.0232	0	100	80	120			
1,2-Dichlorobenzene	0.0233	0.00100	0.0232	0	101	70	120			
1,2-Dichloroethane	0.0219	0.00100	0.0232	0	94.4	70	130			
1,2-Dichloropropane	0.0223	0.00100	0.0232	0	96.2	75	125			
1,3,5-Trimethylbenzene	0.0235	0.00500	0.0232	0	101	75	130			
1,3-Dichlorobenzene	0.0232	0.00100	0.0232	0	100	75	125			
1,3-Dichloropropane	0.0228	0.00100	0.0232	0	98.4	75	125			
1,4-Dichloro-2-butene	0.0235	0.00200	0.0232	0	101	50	150			
1,4-Dichlorobenzene	0.0232	0.00100	0.0232	0	99.9	75	125			
2,2-Dichloropropane	0.0237	0.00100	0.0232	0	102	70	135			
2-Butanone	0.0237	0.0150	0.0232	0	102	30	150			
2-Chloroethylvinylether	0.0221	0.0150	0.0232	0	95.4	50	150			
2-Chlorotoluene	0.0232	0.00100	0.0232	0	99.9	75	125			
2-Hexanone	0.0251	0.0150	0.0232	0	108	55	130			
4-Chlorotoluene	0.0234	0.00100	0.0232	0	101	75	130			
4-Methyl-2-pentanone	0.0247	0.0150	0.0232	0	106	60	135			
Acetone	0.0252	0.0150	0.0232	0	109	40	140			
Acrylonitrile	0.0459	0.00300	0.0464	0	99.0	50	150			
Benzene	0.0222	0.00100	0.0232	0	95.6	80	120			
Bromobenzene	0.0232	0.00100	0.0232	0	99.9	75	125			
Bromochloromethane	0.0230	0.00100	0.0232	0	99.3	65	130			
Bromodichloromethane	0.0222	0.00100	0.0232	0	95.7	75	120			
Bromoform	0.0231	0.00100	0.0232	0	99.6	70	130			
Bromomethane	0.0168	0.00100	0.0232	0	72.6	30	145			
Carbon disulfide	0.0211	0.0150	0.0232	0	91.0	35	160			
Carbon tetrachloride	0.0222	0.00100	0.0232	0	95.7	65	140			
Chlorobenzene	0.0228	0.00100	0.0232	0	98.3	80	120			
Chloroethane	0.0217	0.00100	0.0232	0	93.5	60	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: LCS-53517	Batch ID: 53517	TestNo: SW8260C		Units:	mg/L					
SampType: LCS	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 11:14:00 AM					Prep Date: 8/27/2012			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloroform	0.0219	0.00100	0.0232	0	94.5	65	135			
Chloromethane	0.0195	0.00100	0.0232	0	83.9	40	125			
cis-1,2-Dichloroethene	0.0222	0.00100	0.0232	0	95.6	70	125			
cis-1,3-Dichloropropene	0.0225	0.00100	0.0232	0	97.1	70	130			
Dibromochloromethane	0.0233	0.00100	0.0232	0	100	60	135			
Dibromomethane	0.0223	0.00100	0.0232	0	96.1	75	125			
Dichlorodifluoromethane	0.0199	0.00100	0.0232	0	85.6	30	155			
Ethylbenzene	0.0228	0.00100	0.0232	0	98.4	75	125			
Iodomethane	0.0186	0.0150	0.0232	0	80.3	50	150			
Isopropylbenzene	0.0238	0.00100	0.0232	0	103	75	125			
m,p-Xylene	0.0458	0.00200	0.0464	0	98.8	75	130			
Methyl tert-butyl ether	0.0229	0.00100	0.0232	0	98.7	65	125			
Methylene chloride	0.0206	0.00250	0.0232	0	88.9	55	140			
n-Butylbenzene	0.0244	0.00100	0.0232	0	105	70	135			
n-Propylbenzene	0.0236	0.00100	0.0232	0	102	70	130			
o-Xylene	0.0235	0.00100	0.0232	0	101	80	120			
p-Isopropyltoluene	0.0239	0.00100	0.0232	0	103	75	130			
sec-Butylbenzene	0.0239	0.00100	0.0232	0	103	70	125			
Styrene	0.0234	0.00100	0.0232	0	101	65	135			
tert-Butylbenzene	0.0235	0.00100	0.0232	0	101	70	130			
Tetrachloroethene	0.0228	0.00200	0.0232	0	98.4	45	150			
Toluene	0.0220	0.00200	0.0232	0	94.7	75	120			
trans-1,2-Dichloroethene	0.0217	0.00100	0.0232	0	93.4	60	140			
trans-1,3-Dichloropropene	0.0226	0.00100	0.0232	0	97.2	55	140			
Trichloroethene	0.0217	0.00200	0.0232	0	93.4	70	125			
Trichlorofluoromethane	0.0213	0.00100	0.0232	0	91.8	60	145			
Vinyl chloride	0.0214	0.00100	0.0232	0	92.3	50	145			
Surr: 1,2-Dichloroethane-d4	202		200.0		101	70	120			
Surr: 4-Bromofluorobenzene	200		200.0		99.8	75	120			
Surr: Dibromofluoromethane	199		200.0		99.7	85	115			
Surr: Toluene-d8	203		200.0		101	85	120			

Sample ID: MB-53517	Batch ID: 53517	TestNo: SW8260C		Units:	mg/L					
SampType: MBLK	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 12:03:00 PM					Prep Date: 8/27/2012			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	<0.000200	0.00100								
1,1,1-Trichloroethane	<0.000200	0.00100								
1,1,2,2-Tetrachloroethane	<0.000200	0.00100								
1,1,2-Trichloroethane	<0.000200	0.00100								
1,1-Dichloroethane	<0.000200	0.00100								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: MB-53517	Batch ID: 53517	TestNo: SW8260C	Units: mg/L							
SampType: MBLK	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 12:03:00 PM Prep Date: 8/27/2012								
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	<0.000200	0.00100								
1,1-Dichloropropene	<0.000200	0.00100								
1,2,3-Trichlorobenzene	<0.00150	0.00500								
1,2,3-Trichloropropane	<0.000300	0.00100								
1,2,4-Trichlorobenzene	<0.00150	0.00500								
1,2,4-Trimethylbenzene	<0.00150	0.00500								
1,2-Dibromo-3-chloropropane	<0.00300	0.0100								
1,2-Dibromoethane	<0.000200	0.00100								
1,2-Dichlorobenzene	<0.000300	0.00100								
1,2-Dichloroethane	<0.000300	0.00100								
1,2-Dichloropropane	<0.000200	0.00100								
1,3,5-Trimethylbenzene	<0.00150	0.00500								
1,3-Dichlorobenzene	<0.000300	0.00100								
1,3-Dichloropropane	<0.000200	0.00100								
1,4-Dichloro-2-butene	<0.00200	0.00200								
1,4-Dichlorobenzene	<0.000300	0.00100								
2,2-Dichloropropane	<0.000200	0.00100								
2-Butanone	<0.00500	0.0150								
2-Chloroethylvinylether	<0.00500	0.0150								
2-Chlorotoluene	<0.000300	0.00100								
2-Hexanone	<0.00500	0.0150								
4-Chlorotoluene	<0.000300	0.00100								
4-Methyl-2-pentanone	<0.00500	0.0150								
Acetone	<0.00500	0.0150								
Acrylonitrile	<0.00100	0.00300								
Benzene	<0.000200	0.00100								
Bromobenzene	<0.000200	0.00100								
Bromochloromethane	<0.000200	0.00100								
Bromodichloromethane	<0.000200	0.00100								
Bromoform	<0.000200	0.00100								
Bromomethane	<0.000300	0.00100								
Carbon disulfide	<0.00500	0.0150								
Carbon tetrachloride	<0.000200	0.00100								
Chlorobenzene	<0.000200	0.00100								
Chloroethane	<0.000300	0.00100								
Chloroform	<0.000300	0.00100								
Chloromethane	<0.000300	0.00100								
cis-1,2-Dichloroethene	<0.000200	0.00100								
cis-1,3-Dichloropropene	<0.000200	0.00100								
Dibromochloromethane	<0.000200	0.00100								
Dibromomethane	<0.000200	0.00100								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: MB-53517	Batch ID: 53517	TestNo: SW8260C	Units: mg/L							
SampType: MBLK	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 12:03:00 PM Prep Date: 8/27/2012								
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	<0.000200	0.00100								
Ethylbenzene	<0.000300	0.00100								
Iodomethane	<0.00500	0.0150								
Isopropylbenzene	<0.000200	0.00100								
m,p-Xylene	<0.000600	0.00200								
Methyl tert-butyl ether	<0.000300	0.00100								
Methylene chloride	<0.00250	0.00250								
n-Butylbenzene	<0.000300	0.00100								
n-Propylbenzene	<0.000300	0.00100								
o-Xylene	<0.000300	0.00100								
p-Isopropyltoluene	<0.000300	0.00100								
sec-Butylbenzene	<0.000300	0.00100								
Styrene	<0.000200	0.00100								
tert-Butylbenzene	<0.000300	0.00100								
Tetrachloroethene	<0.000600	0.00200								
Toluene	<0.000600	0.00200								
trans-1,2-Dichloroethene	<0.000200	0.00100								
trans-1,3-Dichloropropene	<0.000200	0.00100								
Trichloroethene	<0.000600	0.00200								
Trichlorofluoromethane	<0.000200	0.00100								
Vinyl chloride	<0.000100	0.00100								
Surr: 1,2-Dichloroethane-d4	205		200.0		102	70	120			
Surr: 4-Bromofluorobenzene	203		200.0		102	75	120			
Surr: Dibromofluoromethane	201		200.0		100	85	115			
Surr: Toluene-d8	202		200.0		101	85	120			

Sample ID: 1208206-01AMS	Batch ID: 53517	TestNo: SW8260C	Units: mg/L							
SampType: MS	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 3:17:00 PM Prep Date: 8/27/2012								
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.0256	0.00100	0.0232	0	111	80	130			
1,1,1-Trichloroethane	0.0248	0.00100	0.0232	0	107	65	130			
1,1,2,2-Tetrachloroethane	0.0281	0.00100	0.0232	0	121	65	130			
1,1,2-Trichloroethane	0.0258	0.00100	0.0232	0	111	75	125			
1,1-Dichloroethane	0.0246	0.00100	0.0232	0	106	70	135			
1,1-Dichloroethene	0.0241	0.00100	0.0232	0	104	70	130			
1,1-Dichloropropene	0.0244	0.00100	0.0232	0	105	75	130			
1,2,3-Trichlorobenzene	0.0225	0.00500	0.0232	0	97.0	55	140			
1,2,3-Trichloropropane	0.0263	0.00100	0.0232	0	113	75	125			
1,2,4-Trichlorobenzene	0.0227	0.00500	0.0232	0	98.0	65	135			
1,2,4-Trimethylbenzene	0.0259	0.00500	0.0232	0	112	75	130			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: 1208206-01AMS	Batch ID: 53517	TestNo: SW8260C		Units:	mg/L					
SampType: MS	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 3:17:00 PM			Prep Date: 8/27/2012					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.0259	0.0100	0.0232	0	112	50	130			
1,2-Dibromoethane	0.0264	0.00100	0.0232	0	114	80	120			
1,2-Dichlorobenzene	0.0258	0.00100	0.0232	0	111	70	120			
1,2-Dichloroethane	0.0258	0.00100	0.0232	0	111	70	130			
1,2-Dichloropropane	0.0251	0.00100	0.0232	0	108	75	125			
1,3,5-Trimethylbenzene	0.0260	0.00500	0.0232	0	112	75	130			
1,3-Dichlorobenzene	0.0254	0.00100	0.0232	0	109	75	125			
1,3-Dichloropropane	0.0261	0.00100	0.0232	0	112	75	125			
1,4-Dichloro-2-butene	0.0276	0.00200	0.0232	0	119	50	150			
1,4-Dichlorobenzene	0.0255	0.00100	0.0232	0	110	75	125			
2,2-Dichloropropane	0.0253	0.00100	0.0232	0	109	70	135			
2-Butanone	0.0233	0.0150	0.0232	0	101	30	150			
2-Chloroethylvinylether	<0.00500	0.0150	0.0232	0	0	50	150			S
2-Chlorotoluene	0.0259	0.00100	0.0232	0	112	75	125			
2-Hexanone	0.0245	0.0150	0.0232	0	106	55	130			
4-Chlorotoluene	0.0258	0.00100	0.0232	0	111	75	130			
4-Methyl-2-pentanone	0.0243	0.0150	0.0232	0	105	60	135			
Acetone	0.0251	0.0150	0.0232	0	108	40	140			
Acrylonitrile	0.0545	0.00300	0.0464	0	117	50	150			
Benzene	0.0248	0.00100	0.0232	0	107	80	120			
Bromobenzene	0.0257	0.00100	0.0232	0	111	75	125			
Bromochloromethane	0.0252	0.00100	0.0232	0	109	65	130			
Bromodichloromethane	0.0258	0.00100	0.0232	0	111	75	120			
Bromoform	0.0260	0.00100	0.0232	0	112	70	130			
Bromomethane	0.0181	0.00100	0.0232	0	78.1	30	145			
Carbon disulfide	0.0223	0.0150	0.0232	0	96.0	35	160			
Carbon tetrachloride	0.0247	0.00100	0.0232	0	107	65	140			
Chlorobenzene	0.0255	0.00100	0.0232	0	110	80	120			
Chloroethane	0.0250	0.00100	0.0232	0	108	60	135			
Chloroform	0.0249	0.00100	0.0232	0	107	65	135			
Chloromethane	0.0226	0.00100	0.0232	0	97.2	40	125			
cis-1,2-Dichloroethene	0.0261	0.00100	0.0232	0	112	70	125			
cis-1,3-Dichloropropene	0.0247	0.00100	0.0232	0	106	70	130			
Dibromochloromethane	0.0261	0.00100	0.0232	0	113	60	135			
Dibromomethane	0.0260	0.00100	0.0232	0	112	75	125			
Dichlorodifluoromethane	0.0221	0.00100	0.0232	0	95.3	30	155			
Ethylbenzene	0.0250	0.00100	0.0232	0	108	75	125			
Iodomethane	0.0178	0.0150	0.0232	0	76.6	50	150			
Isopropylbenzene	0.0258	0.00100	0.0232	0	111	75	125			
m,p-Xylene	0.0503	0.00200	0.0464	0	108	75	130			
Methyl tert-butyl ether	0.0256	0.00100	0.0232	0	110	65	125			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: 1208206-01AMS	Batch ID: 53517	TestNo: SW8260C		Units:	mg/L					
SampType: MS	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 3:17:00 PM					Prep Date: 8/27/2012			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methylene chloride	0.0240	0.00250	0.0232	0	103	55	140			
n-Butylbenzene	0.0255	0.00100	0.0232	0	110	70	135			
n-Propylbenzene	0.0259	0.00100	0.0232	0	112	70	130			
o-Xylene	0.0260	0.00100	0.0232	0	112	80	120			
p-Isopropyltoluene	0.0252	0.00100	0.0232	0	109	75	130			
sec-Butylbenzene	0.0254	0.00100	0.0232	0	109	70	125			
Styrene	0.0249	0.00100	0.0232	0	107	65	135			
tert-Butylbenzene	0.0256	0.00100	0.0232	0	110	70	130			
Tetrachloroethene	0.0247	0.00200	0.0232	0	106	45	150			
Toluene	0.0249	0.00200	0.0232	0	107	75	120			
trans-1,2-Dichloroethene	0.0242	0.00100	0.0232	0	104	60	140			
trans-1,3-Dichloropropene	0.0253	0.00100	0.0232	0	109	55	140			
Trichloroethene	0.0243	0.00200	0.0232	0	105	70	125			
Trichlorofluoromethane	0.0247	0.00100	0.0232	0	106	60	145			
Vinyl chloride	0.0238	0.00100	0.0232	0	103	50	145			
Surr: 1,2-Dichloroethane-d4	208		200.0		104	70	120			
Surr: 4-Bromofluorobenzene	202		200.0		101	75	120			
Surr: Dibromofluoromethane	201		200.0		100	85	115			
Surr: Toluene-d8	202		200.0		101	85	120			

Sample ID: 1208206-01AMSD	Batch ID: 53517	TestNo: SW8260C		Units:	mg/L					
SampType: MSD	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 3:42:00 PM			Prep Date: 8/27/2012					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.0218	0.00100	0.0232	0	94.1	80	130	16.1	30	
1,1,1-Trichloroethane	0.0215	0.00100	0.0232	0	92.5	65	130	14.4	30	
1,1,2,2-Tetrachloroethane	0.0231	0.00100	0.0232	0	99.7	65	130	19.4	30	
1,1,2-Trichloroethane	0.0216	0.00100	0.0232	0	93.1	75	125	17.6	30	
1,1-Dichloroethane	0.0216	0.00100	0.0232	0	93.2	70	135	13.0	30	
1,1-Dichloroethene	0.0213	0.00100	0.0232	0	91.9	70	130	12.2	30	
1,1-Dichloropropene	0.0209	0.00100	0.0232	0	90.3	75	130	15.3	30	
1,2,3-Trichlorobenzene	0.0205	0.00500	0.0232	0	88.3	55	140	9.44	30	
1,2,3-Trichloropropane	0.0221	0.00100	0.0232	0	95.1	75	125	17.6	30	
1,2,4-Trichlorobenzene	0.0198	0.00500	0.0232	0	85.5	65	135	13.6	30	
1,2,4-Trimethylbenzene	0.0226	0.00500	0.0232	0	97.2	75	130	13.9	30	
1,2-Dibromo-3-chloropropane	0.0226	0.0100	0.0232	0	97.2	50	130	13.9	30	
1,2-Dibromoethane	0.0229	0.00100	0.0232	0	98.7	80	120	14.3	30	
1,2-Dichlorobenzene	0.0223	0.00100	0.0232	0	96.2	70	120	14.5	30	
1,2-Dichloroethane	0.0218	0.00100	0.0232	0	94.1	70	130	16.6	30	
1,2-Dichloropropane	0.0214	0.00100	0.0232	0	92.2	75	125	16.0	30	
1,3,5-Trimethylbenzene	0.0224	0.00500	0.0232	0	96.4	75	130	15.1	30	

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: 1208206-01AMSD	Batch ID: 53517	TestNo: SW8260C		Units: mg/L						
SampType: MSD	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 3:42:00 PM			Prep Date: 8/27/2012					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	0.0218	0.00100	0.0232	0	94.1	75	125	15.0	30	
1,3-Dichloropropane	0.0226	0.00100	0.0232	0	97.4	75	125	14.3	30	
1,4-Dichloro-2-butene	0.0230	0.00200	0.0232	0	99.0	50	150	18.3	30	
1,4-Dichlorobenzene	0.0221	0.00100	0.0232	0	95.3	75	125	14.4	30	
2,2-Dichloropropane	0.0211	0.00100	0.0232	0	90.8	70	135	18.1	30	
2-Butanone	0.0229	0.0150	0.0232	0	98.8	30	150	1.82	30	
2-Chloroethylvinylether	<0.00500	0.0150	0.0232	0	0	50	150	0	30	S
2-Chlorotoluene	0.0221	0.00100	0.0232	0	95.4	75	125	15.6	30	
2-Hexanone	0.0234	0.0150	0.0232	0	101	55	130	4.46	30	
4-Chlorotoluene	0.0223	0.00100	0.0232	0	95.9	75	130	14.6	30	
4-Methyl-2-pentanone	0.0232	0.0150	0.0232	0	100	60	135	4.80	30	
Acetone	0.0225	0.0150	0.0232	0	96.9	40	140	10.9	30	
Acrylonitrile	0.0461	0.00300	0.0464	0	99.4	50	150	16.7	30	
Benzene	0.0216	0.00100	0.0232	0	92.9	80	120	14.2	30	
Bromobenzene	0.0221	0.00100	0.0232	0	95.4	75	125	15.0	30	
Bromochloromethane	0.0221	0.00100	0.0232	0	95.1	65	130	13.4	30	
Bromodichloromethane	0.0219	0.00100	0.0232	0	94.3	75	120	16.5	30	
Bromoform	0.0222	0.00100	0.0232	0	95.7	70	130	15.6	30	
Bromomethane	0.0168	0.00100	0.0232	0	72.3	30	145	7.79	30	
Carbon disulfide	0.0211	0.0150	0.0232	0	91.0	35	160	5.35	30	
Carbon tetrachloride	0.0212	0.00100	0.0232	0	91.4	65	140	15.4	30	
Chlorobenzene	0.0219	0.00100	0.0232	0	94.4	80	120	15.3	30	
Chloroethane	0.0219	0.00100	0.0232	0	94.3	60	135	13.2	30	
Chloroform	0.0215	0.00100	0.0232	0	92.8	65	135	14.4	30	
Chloromethane	0.0197	0.00100	0.0232	0	85.0	40	125	13.4	30	
cis-1,2-Dichloroethene	0.0223	0.00100	0.0232	0	96.1	70	125	15.6	30	
cis-1,3-Dichloropropene	0.0212	0.00100	0.0232	0	91.4	70	130	15.1	30	
Dibromochloromethane	0.0225	0.00100	0.0232	0	96.9	60	135	15.1	30	
Dibromomethane	0.0226	0.00100	0.0232	0	97.3	75	125	13.9	30	
Dichlorodifluoromethane	0.0190	0.00100	0.0232	0	82.0	30	155	15.0	30	
Ethylbenzene	0.0218	0.00100	0.0232	0	94.1	75	125	13.6	30	
Iodomethane	0.0186	0.0150	0.0232	0	80.3	50	150	4.84	30	
Isopropylbenzene	0.0228	0.00100	0.0232	0	98.1	75	125	12.7	30	
m,p-Xylene	0.0444	0.00200	0.0464	0	95.7	75	130	12.5	30	
Methyl tert-butyl ether	0.0218	0.00100	0.0232	0	93.9	65	125	16.2	30	
Methylene chloride	0.0195	0.00250	0.0232	0	84.2	55	140	20.3	30	
n-Butylbenzene	0.0222	0.00100	0.0232	0	95.7	70	135	13.8	30	
n-Propylbenzene	0.0223	0.00100	0.0232	0	95.9	70	130	15.2	30	
o-Xylene	0.0227	0.00100	0.0232	0	97.7	80	120	13.7	30	
p-Isopropyltoluene	0.0220	0.00100	0.0232	0	94.7	75	130	13.9	30	
sec-Butylbenzene	0.0220	0.00100	0.0232	0	95.0	70	125	14.2	30	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: 1208206-01AMSD	Batch ID: 53517	TestNo: SW8260C		Units: mg/L						
SampType: MSD	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 3:42:00 PM			Prep Date: 8/27/2012					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Styrene	0.0220	0.00100	0.0232	0	94.7	65	135	12.6	30	
tert-Butylbenzene	0.0222	0.00100	0.0232	0	95.5	70	130	14.4	30	
Tetrachloroethene	0.0215	0.00200	0.0232	0	92.6	45	150	13.9	30	
Toluene	0.0212	0.00200	0.0232	0	91.3	75	120	16.1	30	
trans-1,2-Dichloroethene	0.0207	0.00100	0.0232	0	89.1	60	140	15.9	30	
trans-1,3-Dichloropropene	0.0213	0.00100	0.0232	0	91.9	55	140	17.2	30	
Trichloroethene	0.0209	0.00200	0.0232	0	90.0	70	125	15.3	30	
Trichlorofluoromethane	0.0215	0.00100	0.0232	0	92.8	60	145	13.5	30	
Vinyl chloride	0.0210	0.00100	0.0232	0	90.4	50	145	12.6	30	
Surr: 1,2-Dichloroethane-d4	206		200.0		103	70	120	0	0	
Surr: 4-Bromofluorobenzene	200		200.0		100	75	120	0	0	
Surr: Dibromofluoromethane	200		200.0		99.9	85	115	0	0	
Surr: Toluene-d8	203		200.0		101	85	120	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: ICV-120827	Batch ID: R62234	TestNo: SW8260C	Units: mg/L							
SampType: ICV	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 10:50:00 AM								
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.0470	0.00100	0.0464	0	101	80	120			
1,1,1-Trichloroethane	0.0447	0.00100	0.0464	0	96.3	80	120			
1,1,2,2-Tetrachloroethane	0.0490	0.00100	0.0464	0	106	80	120			
1,1,2-Trichloroethane	0.0437	0.00100	0.0464	0	94.2	80	120			
1,1-Dichloroethane	0.0430	0.00100	0.0464	0	92.6	80	120			
1,1-Dichloroethene	0.0418	0.00100	0.0464	0	90.1	80	120			
1,1-Dichloropropene	0.0441	0.00100	0.0464	0	95.0	80	120			
1,2,3-Trichlorobenzene	0.0483	0.00500	0.0464	0	104	80	120			
1,2,3-Trichloropropane	0.0468	0.00100	0.0464	0	101	80	120			
1,2,4-Trichlorobenzene	0.0491	0.00500	0.0464	0	106	80	120			
1,2,4-Trimethylbenzene	0.0478	0.00500	0.0464	0	103	80	120			
1,2-Dibromo-3-chloropropane	0.0490	0.0100	0.0464	0	105	80	120			
1,2-Dibromoethane	0.0462	0.00100	0.0464	0	99.5	80	120			
1,2-Dichlorobenzene	0.0472	0.00100	0.0464	0	102	80	120			
1,2-Dichloroethane	0.0429	0.00100	0.0464	0	92.4	80	120			
1,2-Dichloropropane	0.0440	0.00100	0.0464	0	94.8	80	120			
1,3,5-Trimethylbenzene	0.0477	0.00500	0.0464	0	103	80	120			
1,3-Dichlorobenzene	0.0468	0.00100	0.0464	0	101	80	120			
1,3-Dichloropropane	0.0455	0.00100	0.0464	0	98.0	80	120			
1,4-Dichloro-2-butene	0.0491	0.00200	0.0464	0	106	80	120			
1,4-Dichlorobenzene	0.0464	0.00100	0.0464	0	99.9	80	120			
2,2-Dichloropropane	0.0467	0.00100	0.0464	0	101	80	120			
2-Butanone	0.0476	0.0150	0.0464	0	103	80	120			
2-Chloroethylvinylether	0.0469	0.0150	0.0464	0	101	80	120			
2-Chlorotoluene	0.0463	0.00100	0.0464	0	99.7	80	120			
2-Hexanone	0.0503	0.0150	0.0464	0	108	80	120			
4-Chlorotoluene	0.0462	0.00100	0.0464	0	99.5	80	120			
4-Methyl-2-pentanone	0.0492	0.0150	0.0464	0	106	80	120			
Acetone	0.0502	0.0150	0.0464	0	108	80	120			
Acrylonitrile	0.0934	0.00300	0.0928	0	101	60	140			
Benzene	0.0435	0.00100	0.0464	0	93.7	80	120			
Bromobenzene	0.0466	0.00100	0.0464	0	100	80	120			
Bromochloromethane	0.0457	0.00100	0.0464	0	98.4	80	120			
Bromodichloromethane	0.0440	0.00100	0.0464	0	94.7	80	120			
Bromoform	0.0476	0.00100	0.0464	0	103	80	120			
Bromomethane	0.0332	0.00100	0.0464	0	71.7	80	120			S
Carbon disulfide	0.0452	0.0150	0.0464	0	97.4	80	120			
Carbon tetrachloride	0.0440	0.00100	0.0464	0	94.7	80	120			
Chlorobenzene	0.0446	0.00100	0.0464	0	96.2	80	120			
Chloroethane	0.0393	0.00100	0.0464	0	84.7	80	120			
Chloroform	0.0428	0.00100	0.0464	0	92.2	80	120			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_120827A

Sample ID: ICV-120827	Batch ID: R62234	TestNo: SW8260C	Units: mg/L							
SampType: ICV	Run ID: GCMS7_120827A	Analysis Date: 8/27/2012 10:50:00 AM Prep Date:								
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloromethane	0.0394	0.00100	0.0464	0	84.9	80	120			
cis-1,2-Dichloroethene	0.0430	0.00100	0.0464	0	92.6	80	120			
cis-1,3-Dichloropropene	0.0453	0.00100	0.0464	0	97.6	80	120			
Dibromochloromethane	0.0460	0.00100	0.0464	0	99.1	80	120			
Dibromomethane	0.0445	0.00100	0.0464	0	95.9	80	120			
Dichlorodifluoromethane	0.0396	0.00100	0.0464	0	85.3	80	120			
Ethylbenzene	0.0455	0.00100	0.0464	0	98.0	80	120			
Iodomethane	0.0373	0.0150	0.0464	0	80.4	80	120			
Isopropylbenzene	0.0472	0.00100	0.0464	0	102	80	120			
m,p-Xylene	0.0912	0.00200	0.0928	0	98.2	80	120			
Methyl tert-butyl ether	0.0454	0.00100	0.0464	0	97.9	80	120			
Methylene chloride	0.0435	0.00250	0.0464	0	93.8	80	120			
n-Butylbenzene	0.0496	0.00100	0.0464	0	107	80	120			
n-Propylbenzene	0.0467	0.00100	0.0464	0	101	80	120			
o-Xylene	0.0465	0.00100	0.0464	0	100	80	120			
p-Isopropyltoluene	0.0486	0.00100	0.0464	0	105	80	120			
sec-Butylbenzene	0.0477	0.00100	0.0464	0	103	80	120			
Styrene	0.0466	0.00100	0.0464	0	101	80	120			
tert-Butylbenzene	0.0474	0.00100	0.0464	0	102	80	120			
Tetrachloroethene	0.0458	0.00200	0.0464	0	98.7	80	120			
Toluene	0.0434	0.00200	0.0464	0	93.5	80	120			
trans-1,2-Dichloroethene	0.0425	0.00100	0.0464	0	91.6	80	120			
trans-1,3-Dichloropropene	0.0458	0.00100	0.0464	0	98.6	80	120			
Trichloroethene	0.0434	0.00200	0.0464	0	93.5	80	120			
Trichlorofluoromethane	0.0441	0.00100	0.0464	0	95.0	80	120			
Vinyl chloride	0.0429	0.00100	0.0464	0	92.5	80	120			
Surr: 1,2-Dichloroethane-d4	198		200.0		99.2	70	120			
Surr: 4-Bromofluorobenzene	200		200.0		100	75	120			
Surr: Dibromofluoromethane	199		200.0		99.4	85	115			
Surr: Toluene-d8	203		200.0		102	85	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_120823A

The QC data in batch 53486 applies to the following samples: 1208219-01D, 1208219-02D

Sample ID: LCS-53486	Batch ID: 53486	TestNo: E300	Units: mg/L
SampType: LCS	Run ID: IC2_120823A	Analysis Date: 8/23/2012 9:42:32 AM	Prep Date: 8/23/2012
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual			
Sulfate 28.9 3.00 30.00 0 96.2 90 110			
Sample ID: LCSD-53486	Batch ID: 53486	TestNo: E300	Units: mg/L
SampType: LCSD	Run ID: IC2_120823A	Analysis Date: 8/23/2012 9:57:06 AM	Prep Date: 8/23/2012
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual			
Sulfate 28.9 3.00 30.00 0 96.4 90 110 0.132 20			
Sample ID: MB-53486	Batch ID: 53486	TestNo: E300	Units: mg/L
SampType: MBLK	Run ID: IC2_120823A	Analysis Date: 8/23/2012 10:11:40 AM	Prep Date: 8/23/2012
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual			
Sulfate <1.00 3.00			
Sample ID: 1208215-02D MS	Batch ID: 53486	TestNo: E300	Units: mg/L
SampType: MS	Run ID: IC2_120823A	Analysis Date: 8/23/2012 11:39:07 AM	Prep Date: 8/23/2012
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual			
Sulfate 39.3 3.00 30.00 9.716 98.5 90 110			
Sample ID: 1208215-02D MSD	Batch ID: 53486	TestNo: E300	Units: mg/L
SampType: MSD	Run ID: IC2_120823A	Analysis Date: 8/23/2012 11:53:41 AM	Prep Date: 8/23/2012
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual			
Sulfate 39.1 3.00 30.00 9.716 98.1 90 110 0.361 20			
Sample ID: 1208219-01D DUP	Batch ID: 53486	TestNo: E300	Units: mg/L
SampType: DUP	Run ID: IC2_120823A	Analysis Date: 8/23/2012 1:35:49 PM	Prep Date: 8/23/2012
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual			
Sulfate 2000 300 0 1895 5.40 10			
Sample ID: 1208219-01D MS	Batch ID: 53486	TestNo: E300	Units: mg/L
SampType: MS	Run ID: IC2_120823A	Analysis Date: 8/23/2012 1:50:23 PM	Prep Date: 8/23/2012
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual			
Sulfate 4160 300 3000 1137 101 90 110			

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_120823A

Sample ID: 1208219-01D MSD	Batch ID: 53486	TestNo:	E300	Units:	mg/L
SampType: MSD	Run ID: IC2_120823A	Analysis Date:	8/23/2012 2:04:58 PM	Prep Date:	8/23/2012
<hr/>					
Analyte	Result	RL	SPK value	Ref Val	%REC LowLimit HighLimit %RPD RPDLimit Qual
Sulfate	4190	300	3000	1137	102 90 110 0.575 20

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_120823A

Sample ID: ICV-120823	Batch ID: R62179	TestNo: E300	Units: mg/L							
SampType: ICV	Run ID: IC2_120823A	Analysis Date: 8/23/2012 9:26:25 AM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	74.3	3.00	75.00	0	99.0	90	110			
Sample ID: CCV1-120823	Batch ID: R62179	TestNo: E300	Units: mg/L							
SampType: CCV	Run ID: IC2_120823A	Analysis Date: 8/23/2012 12:08:15 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	29.5	3.00	30.00	0	98.3	90	110			
Sample ID: CCV2-120823	Batch ID: R62179	TestNo: E300	Units: mg/L							
SampType: CCV	Run ID: IC2_120823A	Analysis Date: 8/23/2012 3:06:31 PM	Prep Date:							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	29.5	3.00	30.00	0	98.3	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_120823A

The QC data in batch 53498 applies to the following samples: 1208219-01D, 1208219-02D

Sample ID: 1208219-01D DUP	Batch ID: 53498	TestNo: M4500-H+ B	Units: pH Units							
SampType: DUP	Run ID: TITRATOR_120823A	Analysis Date: 8/23/2012 10:23:00 AM	Prep Date: 8/23/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.00	0	0	7.010				0.143	5	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_120823A

Sample ID: ICV-120823	Batch ID: R62164	TestNo: M4500-H+ B	Units: pH Units							
SampType: ICV	Run ID: TITRATOR_120823A	Analysis Date: 8/23/2012 10:20:00 AM	Prep Date: 8/23/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	9.99	0	10.00	0	99.9	99	101			
Sample ID: CCV-120823	Batch ID: R62164	TestNo: M4500-H+ B	Units: pH Units							
SampType: CCV	Run ID: TITRATOR_120823A	Analysis Date: 8/23/2012 10:26:00 AM	Prep Date: 8/23/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.03	0	7.000	0	100	97.1	102.9			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_120823B

The QC data in batch 53504 applies to the following samples: 1208219-01D, 1208219-02D

Sample ID: LCS-53504	Batch ID: 53504	TestNo: M2320 B	Units: mg/L							
SampType: LCS	Run ID: TITRATOR_120823B	Analysis Date: 8/23/2012 11:44:00 AM	Prep Date: 8/23/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	52.4	20.0	50.00	0	105	74	129			
Sample ID: MB-53504	Batch ID: 53504	TestNo: M2320 B	Units: mg/L							
SampType: MBLK	Run ID: TITRATOR_120823B	Analysis Date: 8/23/2012 11:46:00 AM	Prep Date: 8/23/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0								
Alkalinity, Total (As CaCO3)	<10.0	20.0								
Sample ID: 1208219-01D DUP	Batch ID: 53504	TestNo: M2320 B	Units: mg/L							
SampType: DUP	Run ID: TITRATOR_120823B	Analysis Date: 8/23/2012 11:55:00 AM	Prep Date: 8/23/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	155	20.0	0	157.7				1.86	20	
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	155	20.0	0	157.7				1.86	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_120823B

Sample ID: ICV-120823	Batch ID: R62177	TestNo:	M2320 B	Units:	mg/L					
SampType: ICV	Run ID: TITRATOR_120823B	Analysis Date: 8/23/2012 11:39:00 AM		Prep Date:	8/23/2012					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	41.4	20.0	0							
Alkalinity, Carbonate (As CaCO3)	60.5	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	102	20.0	100.0	0	102	98	102			

Sample ID: CCV-120823	Batch ID: R62177	TestNo:	M2320 B	Units:	mg/L					
SampType: CCV	Run ID: TITRATOR_120823B	Analysis Date: 8/23/2012 12:31:00 PM		Prep Date:	8/23/2012					
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	46.1	20.0	0							
Alkalinity, Carbonate (As CaCO3)	55.0	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	101	20.0	100.0	0	101	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1208219
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: WC_120824A

The QC data in batch 53521 applies to the following samples: 1208219-01D, 1208219-02D

Sample ID: LCS-53521	Batch ID: 53521	TestNo: M2540C	Units: mg/L							
SampType: LCS	Run ID: WC_120824A	Analysis Date: 8/24/2012 5:40:00 PM	Prep Date: 8/24/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera)	738	10.0	745.6	0	99.0	90	113			
Sample ID: MB-53521	Batch ID: 53521	TestNo: M2540C	Units: mg/L							
SampType: MBLK	Run ID: WC_120824A	Analysis Date: 8/24/2012 5:40:00 PM	Prep Date: 8/24/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera)	<10.0	10.0								
Sample ID: 1208206-01D-DUP	Batch ID: 53521	TestNo: M2540C	Units: mg/L							
SampType: DUP	Run ID: WC_120824A	Analysis Date: 8/24/2012 5:40:00 PM	Prep Date: 8/24/2012							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera)	5000	50.0	0	5080				1.59	5	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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Lab Order: 1208219
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

Sequence Report**Run ID: GC4_120823A**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-120823	----	M8015V	R62187	1	8/23/2012 11:37:39 AM		A
LCS-53499	----	M8015V	53499	1	8/23/2012 12:03:50 PM	8/23/2012 11:24:27 AM	A
MB-53499	----	M8015V	53499	1	8/23/2012 12:54:10 PM	8/23/2012 11:24:27 AM	A
1208219-01B	RCRC-0114-RMW-005-0812	M8015V	53499	1	8/23/2012 2:41:41 PM	8/23/2012 11:24:27 AM	A
1208219-02B	RCRC-0114-RMW-105-0812	M8015V	53499	1	8/23/2012 3:06:46 PM	8/23/2012 11:24:27 AM	A
1208206-01BMS	----	M8015V	53499	1	8/23/2012 3:32:08 PM	8/23/2012 11:24:27 AM	A
1208206-01BMSD	----	M8015V	53499	1	8/23/2012 3:57:44 PM	8/23/2012 11:24:27 AM	A
CCV1-120823	----	M8015V	R62187	1	8/23/2012 4:22:51 PM		A

Run ID: GCMS7_120827A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-120827	----	SW8260C	R62234	1	8/27/2012 10:50:00 AM		A
LCS-53517	----	SW8260C	53517	1	8/27/2012 11:14:00 AM	8/27/2012 9:50:13 AM	A
MB-53517	----	SW8260C	53517	1	8/27/2012 12:03:00 PM	8/27/2012 9:50:13 AM	A
1208219-01A	RCRC-0114-RMW-005-0812	SW8260C	53517	1	8/27/2012 2:05:00 PM	8/27/2012 9:50:13 AM	A
1208219-02A	RCRC-0114-RMW-105-0812	SW8260C	53517	1	8/27/2012 2:29:00 PM	8/27/2012 9:50:13 AM	A
1208219-03A	RCRC-0114-RMW-005-TB	SW8260C	53517	1	8/27/2012 2:53:00 PM	8/27/2012 9:50:13 AM	T
1208206-01AMS	----	SW8260C	53517	1	8/27/2012 3:17:00 PM	8/27/2012 9:50:13 AM	A
1208206-01AMSD	----	SW8260C	53517	1	8/27/2012 3:42:00 PM	8/27/2012 9:50:13 AM	A

Run ID: GCMS9_120828B

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
DFTPP-120828	----	SW8270C	R62279	1	8/28/2012 4:36:00 PM		A
ICV-120828	----	SW8270C	R62279	1	8/28/2012 4:54:00 PM		A
LCS-53545	----	SW8270C	53545	1	8/28/2012 6:26:00 PM	8/28/2012 6:54:00 AM	A
1208206-01EMS	----	SW8270C	53545	1	8/28/2012 7:57:00 PM	8/28/2012 6:54:00 AM	A
1208206-01EMSD	----	SW8270C	53545	1	8/28/2012 8:20:00 PM	8/28/2012 6:54:00 AM	A
MB-53545	----	SW8270C	53545	1	8/28/2012 10:39:00 PM	8/28/2012 6:54:00 AM	A
1208219-01E	RCRC-0114-RMW-005-0812	SW8270C	53545	1	8/29/2012 2:26:00 AM	8/28/2012 6:54:00 AM	A
1208219-02E	RCRC-0114-RMW-105-0812	SW8270C	53545	1	8/29/2012 2:50:00 AM	8/28/2012 6:54:00 AM	A

Lab Order: 1208219
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

Sequence Report**Run ID: GCMS9_120828C**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
DFTPP-120828	-----	SW8270C	R62315	1	8/28/2012 4:36:00 PM		A
ICV-120828 APP9	-----	SW8270C	R62315	1	8/28/2012 5:18:00 PM		A
LCS-53545	-----	SW8270C	53545	1	8/28/2012 6:03:00 PM	8/28/2012 6:54:00 AM	A
1208206-01EMS	-----	SW8270C	53545	1	8/28/2012 7:13:00 PM	8/28/2012 6:54:00 AM	A
1208206-01EMSD	-----	SW8270C	53545	1	8/28/2012 7:35:00 PM	8/28/2012 6:54:00 AM	A
MB-53545	-----	SW8270C	53545	1	8/28/2012 11:02:00 PM	8/28/2012 6:54:00 AM	A
1208219-01E	RCRC-0114-RMW-005-0812	SW8270C	53545	1	8/29/2012 12:33:00 AM	8/28/2012 6:54:00 AM	A
1208219-02E	RCRC-0114-RMW-105-0812	SW8270C	53545	1	8/29/2012 12:55:00 AM	8/28/2012 6:54:00 AM	A

Run ID: IC2_120823A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-120823	-----	E300	R62179	1	8/23/2012 9:26:25 AM		A
LCS-53486	-----	E300	53486	1	8/23/2012 9:42:32 AM	8/23/2012 9:22:36 AM	A
LCSD-53486	-----	E300	53486	1	8/23/2012 9:57:06 AM	8/23/2012 9:22:36 AM	A
MB-53486	-----	E300	53486	1	8/23/2012 10:11:40 AM	8/23/2012 9:22:36 AM	A
1208215-02D MS	-----	E300	53486	1	8/23/2012 11:39:07 AM	8/23/2012 9:22:36 AM	A
1208215-02D MSD	-----	E300	53486	1	8/23/2012 11:53:41 AM	8/23/2012 9:22:36 AM	A
CCV1-120823	-----	E300	R62179	1	8/23/2012 12:08:15 PM		A
1208219-01D	RCRC-0114-RMW-005-0812	E300	53486	100	8/23/2012 12:54:03 PM	8/23/2012 9:22:36 AM	A
1208219-02D	RCRC-0114-RMW-105-0812	E300	53486	100	8/23/2012 1:08:37 PM	8/23/2012 9:22:36 AM	A
1208219-01D DUP	RCRC-0114-RMW-005-	E300	53486	100	8/23/2012 1:35:49 PM	8/23/2012 9:22:36 AM	A
1208219-01D MS	RCRC-0114-RMW-005-0812MS	E300	53486	100	8/23/2012 1:50:23 PM	8/23/2012 9:22:36 AM	A
1208219-01D MSD	RCRC-0114-RMW-005-	E300	53486	100	8/23/2012 2:04:58 PM	8/23/2012 9:22:36 AM	A
CCV2-120823	-----	E300	R62179	1	8/23/2012 3:06:31 PM		A

Lab Order: 1208219
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

Sequence Report**Run ID: ICP-MS2_120827B**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
BLANK STD 1	-----	SW6020	R62245	1	8/27/2012 1:56:00 PM		A
1 & 20ppb std 2	-----	SW6020	R62245	1	8/27/2012 2:02:00 PM		A
10 & 200ppb std 3	-----	SW6020	R62245	1	8/27/2012 2:08:00 PM		A
250 & 5000ppb std 4	-----	SW6020	R62245	1	8/27/2012 2:14:00 PM		A
500 & 10000ppb std	-----	SW6020	R62245	1	8/27/2012 2:20:00 PM		A
2000 ppb std 6	-----	SW6020	R62245	1	8/27/2012 2:26:00 PM		A
ICV1-120827	-----	SW6020	R62245	1	8/27/2012 3:29:00 PM		A
ICB1-120827	-----	SW6020	R62245	1	8/27/2012 3:35:00 PM		A
CCV1-120827	-----	SW6020	R62245	1	8/27/2012 5:34:00 PM		A
CCB1-120827	-----	SW6020	R62245	1	8/27/2012 6:10:00 PM		A
MB-53525	-----	SW6020	53525	1	8/27/2012 6:16:00 PM	8/27/2012 8:55:47 AM	A
LCS-53525	-----	SW6020	53525	1	8/27/2012 6:22:00 PM	8/27/2012 8:55:47 AM	A
LCSD-53525	-----	SW6020	53525	1	8/27/2012 6:28:00 PM	8/27/2012 8:55:47 AM	A
1208206-01C SD	-----	SW6020	53525	5	8/27/2012 6:45:00 PM	8/27/2012 8:55:47 AM	A
1208219-01C	RCRC-0114-RMW-005-0812	SW6020	53525	1	8/27/2012 7:03:00 PM	8/27/2012 8:55:47 AM	A
1208219-02C	RCRC-0114-RMW-105-0812	SW6020	53525	1	8/27/2012 7:09:00 PM	8/27/2012 8:55:47 AM	A
1208206-01C PDS	-----	SW6020	53525	1	8/27/2012 7:15:00 PM	8/27/2012 8:55:47 AM	A
1208206-01C MS	-----	SW6020	53525	1	8/27/2012 7:21:00 PM	8/27/2012 8:55:47 AM	A
1208206-01C MSD	-----	SW6020	53525	1	8/27/2012 7:27:00 PM	8/27/2012 8:55:47 AM	A
CCV2-120827	-----	SW6020	R62245	1	8/27/2012 7:44:00 PM		A
CCB2-120827	-----	SW6020	R62245	1	8/27/2012 7:56:00 PM		A

Run ID: TITRATOR_120823A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV2-120823	-----	M4500-H+ B	R62164	1	8/23/2012 10:17:00 AM	8/23/2012 10:17:00 AM	A
ICV1-120823	-----	M4500-H+ B	R62164	1	8/23/2012 10:18:00 AM	8/23/2012 10:18:00 AM	A
ICV-120823	-----	M4500-H+ B	R62164	1	8/23/2012 10:20:00 AM	8/23/2012 10:20:00 AM	A
1208219-01D	RCRC-0114-RMW-005-0812	M4500-H+ B	53498	1	8/23/2012 10:22:00 AM	8/23/2012 10:00:00 AM	A
1208219-01D DUP	RCRC-0114-RMW-005-	M4500-H+ B	53498	1	8/23/2012 10:23:00 AM	8/23/2012 10:00:00 AM	A
1208219-02D	RCRC-0114-RMW-105-0812	M4500-H+ B	53498	1	8/23/2012 10:25:00 AM	8/23/2012 10:00:00 AM	A
CCV-120823	-----	M4500-H+ B	R62164	1	8/23/2012 10:26:00 AM	8/23/2012 10:26:00 AM	A

Lab Order: 1208219
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

Sequence Report**Run ID: TITRATOR_120823B**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-120823	-----	M2320 B	R62177	1	8/23/2012 11:39:00 AM	8/23/2012 11:39:00 AM	A
LCS-53504	-----	M2320 B	53504	1	8/23/2012 11:44:00 AM	8/23/2012 11:30:00 AM	A
MB-53504	-----	M2320 B	53504	1	8/23/2012 11:46:00 AM	8/23/2012 11:30:00 AM	A
1208219-01D	RCRC-0114-RMW-005-0812	M2320 B	53504	1	8/23/2012 11:50:00 AM	8/23/2012 11:30:00 AM	A
1208219-01D DUP	RCRC-0114-RMW-005-	M2320 B	53504	1	8/23/2012 11:55:00 AM	8/23/2012 11:30:00 AM	A
1208219-02D	RCRC-0114-RMW-105-0812	M2320 B	53504	1	8/23/2012 12:00:00 PM	8/23/2012 11:30:00 AM	A
CCV-120823	-----	M2320 B	R62177	1	8/23/2012 12:31:00 PM	8/23/2012 12:31:00 PM	A

Run ID: WC_120824A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
LCS-53521	-----	M2540C	53521	1	8/24/2012 5:40:00 PM	8/24/2012 5:40:00 PM	A
MB-53521	-----	M2540C	53521	1	8/24/2012 5:40:00 PM	8/24/2012 5:40:00 PM	A
1208206-01D-DUP	-----	M2540C	53521	1	8/24/2012 5:40:00 PM	8/24/2012 5:40:00 PM	A
1208219-01D	RCRC-0114-RMW-005-0812	M2540C	53521	1	8/24/2012 5:40:00 PM	8/24/2012 5:40:00 PM	A
1208219-02D	RCRC-0114-RMW-105-0812	M2540C	53521	1	8/24/2012 5:40:00 PM	8/24/2012 5:40:00 PM	A

Manual Integrations Tracking Form - DoD QSM 4.2 Requirement

Instrument ID: GCMS#9ICAL Folder: GCMS#9 SV120416B.CAL

<u>Sample ID</u>	<u>Analyte #1</u>	<u>Analyte #2</u>	<u>Analyte #3</u>	<u>Analyte #4</u>
<u>ICAL POINT</u>	<u>Identification & Reason</u>	<u>Identification & Reason</u>	<u>Identification & Reason</u>	<u>Identification & Reason</u>
CAL 1 0.04 PPM	M.I for 2,6-dinitrotoluene because wrong peak was integrated.	M.I for 2,4-dinitrotoluene because wrong peak was integrated.	M.I for 1, 4-dichlorobenzene because wrong peak was integrated.	
CAL 2 0.2 PPM	MI for benzoic acid because peak was partially integrated.			
CAL 3 0.5 PPM	N/A			
CAL 4 1.0 PPM	MI for benzoic acid because peak was partially integrated.			
CAL 5 2.0 PPM	MI for benzoic acid because peak was partially integrated.			
CAL 6 3.0 PPM	MI for benzoic acid because peak was partially integrated.			
CAL 7 4.0 PPB	MI for benzoic acid because peak was partially integrated.			
CAL 8 5.0 PPB	MI for benzoic acid because peak was partially integrated.			
SSCV 2000 PPB	MI for benzoic acid because peak was partially integrated.			

*Manually Integrated = MI

DO
Analyst8/14/12
Date2nd Level Review8/14/12
Date

Manual Integrations Tracking Form - DoD QSM 4.2 Requirement

Instrument ID: GCMS9

Data Folder: GCMS9_120828C

Sample ID	Analyte #1	Analyte #2	Analyte #3	Analyte #4
ICAL, ICV, and CCV QC and Field Samples	Identification & Reason	Identification & Reason	Identification & Reason	Identification & Reason
ICV-120828	N/A			
LCS-53545	MI for dimethylphenethylamine because peak was partially integrated.			
1208206-01EMS	MI for dimethylphenethylamine because wrong peak was integrated.			
1208206-01EMSD	MI for dimethylphenethylamine because wrong peak was integrated.			
DCS-53545	MI for dimethylphenethylamine because of low Q-value.			

*Manually Integrated = MI

9/4/2012

Analyst

Date

2nd Level Review

9/5/2012

Date

Manual Integrations Tracking Form - DoD QSM 4.2 Requirement

Instrument ID: GCMS9

Data Folder: GCMS9_120828B

Sample ID	Analyte #1	Analyte #2	Analyte #3	Analyte #4
ICAL, ICV, and CCV QC and Field Samples	Identification & Reason	Identification & Reason	Identification & Reason	Identification & Reason
ICV-120828	N/A			
LCS-53545	MI for benzoic acid because wrong peak was integrated.			
1208206-01EMS	MI for benzoic acid because wrong peak was integrated.			
1208206-01EMSD	MI for benzoic acid because wrong peak was integrated.			

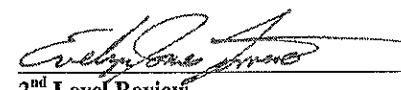
*Manually Integrated = MI



Analyst

9/4/2012

Date



2nd Level Review

9/4/2012

Date

Manual Integrations Tracking Form - DoD QSM 4.2 Requirement

Instrument ID: IC2

Data Folder: IC2_120823A

<u>Sample ID</u> ICAL, ICV, CCV QC and Field Samples	<u>Analyte #1</u> Identification & Reason	<u>Analyte #2</u> Identification & Reason	<u>Analyte #3</u> Identification & Reason	<u>Analyte #4</u> Identification & Reason
Sample: 1208219-01D	Baseline adjustment for Sulfate Peak			

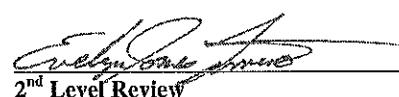
*Manually Integrated = MI

Taya George

8/29/2012

Analyst

Date



2nd Level Review

8/29/2012

Date